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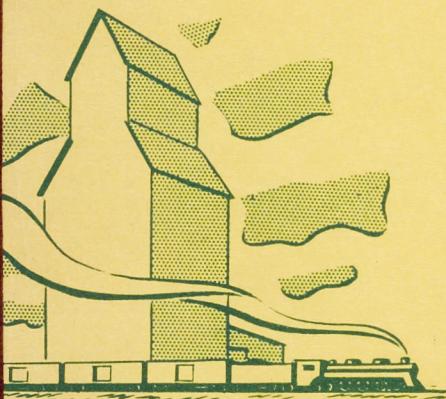
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The Board of Grain Commissioners FOR CANADA

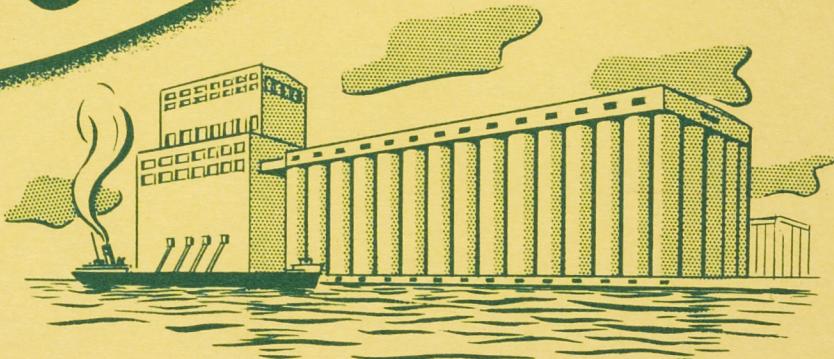
DEPARTMENT OF TRADE AND COMMERCE

Rt. Hon. C. D. Howe, M.P., Minister

Wm. Frederick Bull, Deputy Minister



REPORT for 1951



GENERAL SCIENCES

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Board of
Grain Commissioners
for Canada

ANNUAL REPORT
for 1951

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DEPARTMENT OF TRADE AND COMMERCE
OTTAWA, CANADA

Minister: Rt. Hon. C. D. Howe, M.P.

Deputy Minister: Wm. Frederick Bull

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Giant Commissaries
for Canada

ANNUAL REPORT
for 1921

DEPARTMENT OF TRADE AND COMMERCE
OTTAWA, CANADA

Minister of Trade and Commerce, Mr. Frank M. L. Borden, M.P.

Trade and Commerce, Ottawa, Oct. 25, 1921
Giant Commissaries for Canada
Ottawa, 1921

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WINNIPEG, MANITOBA,
January 24, 1952.

The Right Honourable C. D. Howe, M.P.,
Minister of Trade and Commerce,
Ottawa, Canada.

SIR:

We beg to submit herewith the Annual Report of the Board of Grain Commissioners for Canada for the year 1951, in compliance with the provisions of Section 23 of The Canada Grain Act.

GENERAL CONDITIONS

In 1951 Canada produced a grain crop of near-record size despite generally infavourable and intermittent harvesting weather throughout most of the prairies, which impaired both yield and quality of the cereal crop.

Much of the western grain crop was threshed in a tough and damp condition. Appreciable loss was also experienced through sprouting and, to a lesser degree, from mildew damage. Many fields in Saskatchewan and Alberta will remain unthreshed under snow until Spring.

The 1951 wheat acreage was 1.3 million acres below 1950 though slightly above the five-year norm.

Seeded acreage in 1951 for oats, barley and flaxseed exceeded the 1950 and the previous five-year average area under cultivation. As indicated in the table below, estimated grain production in 1951 for wheat, oats, barley, rye and flaxseed substantially surpasses out-turns for 1950 and the five-year average (1946-1950):

	1951		1950		Five-year Average 1946-1950	
	Acres*	Production**	Acres*	Production**	Acres*	Production**
Wheat.....	25.7	562.4	27.0	461.7	25.4	395.0
Oats.....	12.1	493.3	11.6	419.9	11.5	349.3
Barley.....	8.0	252.9	6.6	171.4	6.6	147.4
Rye.....	1.1	18.0	1.2	13.3	1.3	14.1
Flaxseed.....	1.1	9.2	.6	4.7	1.0	8.7

* Millions of Acres. ** Millions of Bushels.

Some further indication of the general characteristics of this year's marketed crop may be gained from car inspection data. About 23% of the total number of cars of Hard Spring Wheat inspected during August 1 to December 31, 1951 graded either No. 1, No. 2 or No. 3 Northern as against 38% in 1950 and 85% during the more normal year of 1949.

During 1951, from August 1 to December 31, over 45% of all cars inspected graded Tough and Damp, compared to 24% for the same period in 1950 and 3% in 1949. The percentage of tough and damp grain receipts increased steadily as the current season advanced. In the month of December, 1951, over 76% of all cars inspected graded Tough and Damp. Lakehead terminal stocks of tough and damp grain, by the close of the 1951 calendar year, were reported at about 30 million bushels.

The 1951 western cereal crop has presented one of the most serious handling and storage problems ever experienced by transportation and elevator companies. The estimated carry-over of wheat, oats, barley, rye and flaxseed in Canada as of July 31, 1951 amounted to 334,441,285 bushels compared with 187,067,955 bushels in the previous year.

Shipments of the five principal grains by vessel from the Lakehead during the 1951 season of navigation, reported at 317.2 million bushels, showed a marked increase from the 1950 season volume (203.3 millions). Lakehead stocks at July 31, 1951 totalled 47.9 million bushels.

Pacific overseas clearances of grain for the crop year ended July 31, 1951 (68.5 million bushels) exceeded shipments of the previous crop season (62.7 millions).

During the first five months of the current crop year shipments from the Pacific Coast amounted to 35.1 million bushels in contrast with the much lighter clearances for the same period in 1950 (17.0 million bushels). Pacific Coast stocks at December 31, 1951, were 9,981,761 bushels for all grains.

Record port clearances of 7,278,443 bushels were established at Churchill for the 1951 shipping season. Shipments during 1950 totalled 6,767,743 bushels. By December 31, 1951, Churchill stocks amounted to 1,996,888 bushels compared with 460,556 bushels in store at that time in 1950.

OVERAGES—COUNTRY ELEVATORS

Country elevator annual returns covering 1949-50 operations showed limited gross shortages on wheat, rye and flaxseed, and effective August 1, 1950, the Board authorized additional shrinkage allowance for these grains as follows:

Straight Grade Grain

Wheat increased from $\frac{1}{4}\%$ to $\frac{3}{8}\%$.
Flax increased from $\frac{1}{2}\%$ to $1\frac{1}{2}\%$.
Rye increased from $\frac{1}{4}\%$ to $\frac{1}{2}\%$.

Tough Grain

Rye increased from $\frac{3}{4}\%$ to 1%.

Damp Grain

Rye increased from 1% to $1\frac{1}{2}\%$.

Operating under this revised shrinkage tariff, the country elevators for 1950-51 showed a combined gross overage for all grains of 19,075,928 lbs. from total handlings of 32,746,612,426 lbs., or an overage of .06% in terms of handlings.

Moderate gross overages appeared in wheat (.03%), oats (.19%) and barley (.09%), but were higher for flaxseed (.59%). Rye and corn weighed out with gross shortages of .31% and 2.19% respectively.

Due to congested storage, some 1974 elevators were unable to complete their weighovers for the 1950-51 season, and hence the results of their operations were estimated. Further details of the breakdown in country elevator returns appear in table form below:

	1950-51	1949-50	1948-49
Elevators reporting shortages.....	897	1,797	2,259
Elevators reporting neither shortages nor overages.....	2,030	120	52
Elevators reporting overages of less than .25%.....	1,475	2,440	2,239
Elevators reporting overages from .25% to .50%....	587	456	466
Elevators reporting overages over .50%.....	78	123	116
 Totals.....	 5,067	 4,936	 5,132

INSPECTION OF GRAIN

The major problem in the grading of the 1951 Western crop was occasioned by the high outturn percentage of tough and damp grain, accompanied by sprouting and mildew resulting from unfavourable harvesting conditions.

In collaboration with the Grain Research Laboratory, special studies were undertaken to determine the effect of sprouting and mildew in the baking quality of flour.

An increase in the presence of ergot has been noted in all grains for the last two crop seasons. A recommendation for further research and publicity in ergot control was made to the Federal Department of Agriculture.

Extensive use of inspection services was made by producers and elevator companies during the Fall, in the submission of two-pound samples for grading.

The excessive moisture content of grain received at terminal elevators has required the maintenance of additional inspection crews to supervise drying operations. Milling tests were run by the Grain Research Laboratory to ensure against damage to the milling and baking quality of the grain in the drying process.

STORAGE OF FOREIGN GRAIN FOR RE-SHIPMENT FROM CANADA

Under authority of Section 15 (cc) of The Canada Grain Act, the Board during 1951 restricted the entry of foreign grain into Canada for export to give priority to the storage of Canadian grain. With the exception of permits issued for the Pacific Coast to one of the terminal elevators without country feeders, the flow of foreign grain into Canada was shut off early in the season before the Fall movement of the Canadian grain crop got under way.

During the 1951 calendar year, 20,567,313 bushels of foreign grain entered Canada for re-export under permits granted by the Board. By the close of the year, only 261,940 bushels of foreign grain remained in Canadian elevator storage—217,289 bushels on the Pacific Coast, and 44,651 bushels in Eastern position.

WEIGHING OF GRAIN

The Board were concerned over the considerable number of unsatisfactory lake vessel outturns at Eastern elevators which were investigated during the 1951 season of navigation.

In addition to the regular more routine checks on weighing of the cargoes at loading and unloading houses, special audits of terminal elevator stocks were carried out in connection with the reported appreciable outturn shortages in two lake vessel cargoes. Adjustment of liability for excessive outturn shortages for a number of cargoes are awaiting the completion of Eastern elevator weighovers.

On the whole, however, lake vessel cargo outturns have been fairly satisfactory.

Through the courtesy of a Scale Company in Montreal, arrangements have been made to give selected personnel of Weighing Branch, shop experience and training in the mechanics of large hopper scale operation, adjustment and repair.

ASSISTANT COMMISSIONERS

Complaints from producers investigated by Assistant Commissioners during the 1951 calendar year totalled 118, distributed by provinces of origin as follows: Alberta, 4; Saskatchewan, 85; Manitoba, 29.

In addition 2199 country elevators were inspected by the Assistant Commissioners—Alberta, 1,258; Saskatchewan, 402; Manitoba, 539 houses.

Assistant Commissioners of the Board also took up the matter of excessi
overages with country elevator agents concerned. Storage facilities covered by
Special Annex or "offsite" storage licence were inspected by these officials, and
applications for out-of-turn cars investigated.

A very considerable number of complaints were investigated during 1951
respecting the operation of the car order book. These complaints originated in
the most part in the Province of Saskatchewan where the car order book was in
general use during the Fall season up to the date of its temporary suspension on
December 4, 1951.

In addition to his regular duties, Assistant Commissioner Rayner since
September 1, 1951, has acted as the Winnipeg representative of the Transport
Controller.

CAR ORDER BOOK

With the commencement of Fall deliveries of the 1951 crop, the car order book was put into operation at many points in the Province of Saskatchewan. Car order book custodians were also appointed by the railway companies at a considerable number of places in Saskatchewan not supplied with railway agents. The car order book was used to a much lesser degree in Alberta and Manitoba during 1951.

Many complaints of inequity in car order book operations were investigated, and the experience of the Board demonstrated that under this year's abnormal conditions the use of the car order book defeated the preference orders of the Canadian Wheat Board.

Accordingly, on December 4, 1951, after consultation with the Canadian Wheat Board and the Board of Grain Commissioners, the Transport Controller suspended operation of the car order book until July 31, 1952, to speed up loading at country points of preference orders and shipment of damp grain.

SUPPLEMENTARY STORAGE

In order to relieve the storage and transportation situation, Order-in-Council P.C. 5122 dated September 26, 1951, authorized the Board to permit the use by country elevator licensees of suitable supplementary "offsite" or special annex storage space for the warehousing of wheat under regulation by the Board.

The issuance of licences for storage of this type was restricted to warehouses meeting certain structural specifications, subject to inspection and approval by Board officials.

Owing to the difficulty of storage due to the excessive moisture conditions of the 1951 crop, fewer applications for special storage licences were received by the Board than was originally anticipated. By December 31, 1951, only thirty-eight (38) applications for this type of licence had been filed with the Board, and thirty-one (31) supplementary storage licences issued for a total warehousing space of 678,700 bushels.

SHIPPING PERMIT NO. 100 AND GRAIN DRYING

By early January, 1951, Lakehead storage was quickly becoming congested. The railways were compelled to slow down the flow of box cars to the Lakehead to coincide with the volume of outward rail shipments from the Twin City port. Meanwhile, large stocks of tough and damp grain, remained in country elevators and on Western farms. The damp grain particularly, required to be dried without delay to prevent further deterioration.

Accordingly, the Board on January 22, 1951, under special shipping authority designated as Permit No. 100, instructed the railways to supply cars for shipment to the Lakehead of damp grain from Manitoba and Saskatchewan, and damp coarse grains from Alberta.

By February 15, 1951, it was possible for the Board to extend this permit order to include shipment to terminals of tough grain with a moisture content of 16% or more; and from Alberta, tough coarse grains with a moisture content of 16% or greater. Permission was also granted for the shipment of tough flax under the Board's Special Permit No. 100.

In all matters relating to the movement of this tough and damp grain to the terminal elevators, the Board of Grain Commissioners acted in close collaboration with the Canadian Wheat Board.

On March 28, 1951, the Board of Grain Commissioners withdrew its special shipping instructions on assurance by the Canadian Wheat Board that shipping preferences would be established to give priority to outstanding car orders on Permit No. 100, and also to the movement of damp grain from country points.

Further substantial quantities of tough grain were dried by mixing with straight grade grain, and over 51 million bushels of tough and damp grain were put through terminal elevator driers during the 1950-51 crop year.

Transportation agencies and elevator companies co-operated to the fullest possible extent in the handling of the 1950 crop and losses reported through spoilage were negligible.

The 1951 Western crop presents an even more serious transportation and handling problem. Shipping authority under Permit No. 100 was invoked by the Board on November 22, 1951, to ensure priority for the movement of damp grain to the terminals.

Terminal elevator drying equipment is operating again this year on round-the-clock schedules. Everything is being done to meet the exigencies of the situation.

ELEVATOR CHARGES

At public meetings held by the Board in Toronto, Winnipeg and Vancouver in June and July, 1951, members of the grain trade made representations in the matter of maximum grain handling tariffs for the 1951-52 crop year.

After considering the evidence submitted, the Board authorized an upward adjustment in elevation, shovelling and cleaning charges to offset increased costs.

Maximum rates for storage and drying were, however, lowered by the Board for the new crop season.

On August 1, 1951, the under-noted revisions in elevator tariffs became effective:

EASTERN ELEVATORS

Georgian Bay and Lower Lake Ports:

Elevation:—
 (a) Grain for export—increased from 1½c. to 1¼c. per bus.
 (b) Receiving from cars—increased from 1¾c. to 1½c. per bus.
 (c) Receiving from wagons or trucks—increased from 2c. to 2½c. per bus.
 (d) Delivering to trucks in bulk, in addition to the ordinary elevation charge—½c. per bus.

(Not included in previous tariff regulations)

Storage:—
 (a) For each day or part thereof after the first ten days—reduced from 1/25c. to 1/30c. per bus.

Upper St. Lawrence Group:

Elevation:—
 (a) Receiving from vessels:

Single-deck vessels—increased from \$6.25 to \$7.00 per 1,000 bus.
 (b) Double-deck vessels—increased from \$6.75 to \$8.25 per 1,000 bus.
 (c) Discharging to vessels—increased from \$4.25 to \$5.00 per 1,000 bus.

Storage:—
 (a) For each day or part thereof after the first ten days—reduced from 1/25c. to 1/30c. per bus.

EASTERN ELEVATORS—Concluded

Lower St. Lawrence Group:

Elevation:—(a) Receiving from canal or lake vessels:

Single-deck vessels—increased from \$8.50 to \$9.00 per 1,000 bus.
Double-deck vessels—increased from \$9.25 to \$9.75 per 1,000 bus.

(b) Receiving from ocean vessels—increased from \$10.00 to \$10.50 per 1,000 bus.

(c) Receiving from railway cars, wagons or trucks—increased from \$8.50 to \$9.00 per 1,000 bus.

(d) Discharging to vessels, railway cars, wagons or trucks—increased from \$5.75 to \$6.00 per 1000 bus.

Storage:—(a) For each day or part thereof after the first ten days—reduced from 1/25c. to 1/30c. per bus.

Atlantic Ports

Elevation: Increased from 1.425c. to 1.55c. per bus.

Storage: For each day or part thereof after the first ten days—reduced from 1/25c. to 1/30c. per bus.

General

Shovelling: Single-deck vessels—increased from \$4.00 to \$5.00 per 1,000 bus.

Double-deck vessels—increased from \$6.00 to \$7.00 per 1,000 bus.

Country Elevators

Elevation: Wheat, barley, rye and corn—increased from 2½c. to 2½c. per bus.

Oats—increased from 2c. to 2½c. per bus.

Flax—increased from 4½c. to 4¾c. per bus.

Sunflower Seed—increased from 6c. to 6½c. per cwt.

Storage: For each day or part thereof after the first fifteen days—all grain except Sunflower Seed—reduced from 1/25c. to 1/30c. per bus.

Allowance for Invisible Loss and Shrinkage:

Sunflower Seed added to shrinkage table at same rates applying to oats and barley.

TERMINAL ELEVATORS

Fort William, Port Arthur and Winnipeg

Elevation: (a) Wheat, oats, barley and corn—increased from 2c. to 2½c. per bus.

(b) Rye—increased from 2½c. to 2½c. per bus.

(c) Flax—increased from 3½c. to 3¾c. per bus.

(d) Screenings—increased from 4½c. to 4¾c. per cwt.

(e) Sunflower Seed—increased from 4c. to 4½c. per cwt.

Storage: For each day or part thereof after the first ten days—wheat, oats, barley, rye, flax and corn—reduced from 1/25c. to 1/30c. per bus.

West of Calgary, Alta.

Elevation: (a) Wheat, oats, barley and corn—increased from 2c. to 2½c. per bus.

(b) Rye—increased from 2½c. to 2½c. per bus.

(c) Flax—increased from 3½c. to 3¾c. per bus.

(d) Screenings—increased from 4½c. to 4¾c. per cwt.

(e) Sunflower Seed—increased from 4c. to 4½c. per cwt.

Storage: For each day or part thereof after the first ten days—Wheat, oats, barley, rye, flax and corn—reduced from 1/25c. to 1/30c. per bus.

Government Interior Terminal Elevators

Elevation:—(a) Wheat, oats, and barley—increased from 1c. to 1½c. per bus.

Receiving rye and corn

from railway (b) Flax—increased from 2c. to 2½c. per bus.

cars—(c) Screenings—increased from 3c. to 3½c. per cwt.

(d) Sunflower Seed—increased from 4c. to 4½c. per cwt.

Receiving from wagons or trucks—all grain—increased from 1½c. to 1¾c. per bus.

TERMINAL ELEVATORS—Concluded

Churchill, Manitoba

Elevation: (a) Wheat, oats and barley—increased from 2c. to $2\frac{1}{2}$ c. per bus.

(b) Rye—increased from $2\frac{1}{2}$ c. to $2\frac{5}{8}$ c. per bus.

(c) Flax—increased from $3\frac{1}{2}$ c. to $3\frac{3}{4}$ c. per bus.

(d) Screenings—increased from $4\frac{1}{2}$ c. to $4\frac{3}{4}$ c. per cwt.

Storage: For each day or part thereof after the first eight days—

Wheat, oats, barley, rye and flax—

from August 1 to October 8 (inclusive)—reduced from 1/25c. to 1/30c. per bus.

from October 9 to July 31 of the following year inclusive—increased from 1/90c. to 1/50c. per bus.

General

Cleaning: (a) Flax—containing from $5\frac{1}{2}\%$ to 10% dockage—increased from 2c. to $2\frac{1}{2}$ c. per bus.

containing more than 10% dockage—increased from $2\frac{1}{2}$ c. to 3c. per bus.

Drying: (a) All Grain except Flax, Sunflower Seed and the malting grades of Barley—

Tough—reduced from $4\frac{1}{2}$ c to $3\frac{3}{4}$ c. per bus.

Damp—reduced from $7\frac{1}{2}$ c. to $6\frac{1}{4}$ c. per bus.

(b) Flax and the malting grades of barley—

Tough—reduced from 5c. to 4c. per bus.

Damp—reduced from 9c. to 7c. per bus.

The record high moisture condition of the 1951 crop due to unfavourable harvesting posed problems of drying and storage for the elevator companies, more serious than ever before experienced.

It was imperative that the fullest use be made of drying facilities to save much grain as possible from spoiling. On representation from the trade, the Board revised the drying tariff, effective November 12, 1951, partially restoring the cut in rates put into force on August 1, 1951. Subsequently, on December 22, 1951, the Board authorized higher terminal elevator drying rates for flaxseed and malting barley and other damp grain showing over 20% moisture content.

A review of drying tariff changes over the past thirty years is shown in the form below:

Effective Date	All Grain Except Sunflower Seeds		All Grain Except Flax Sunflower Seeds and Malting Barley		Flax and Malting Barley	
	Tough	Damp and Wet	Tough	Damp	Tough	Damp
			Per bu.	Per bu.	Per bu.	Per bu.
		cts.	cts.	cts.	cts.	cts.
Oct. 5, 1919* to Nov. 2, 1950.....		3	5	.....	.....	.....
Oct. 3, 1950 to July 31, 1951.....				4 $\frac{1}{2}$	7 $\frac{1}{2}$	5
Oct. 1, 1951 to Nov. 11, 1951.....				3 $\frac{3}{4}$	6 $\frac{1}{4}$	4
Oct. 12, 1951 to Dec. 21, 1951.....				4	6 $\frac{1}{2}$	4 $\frac{1}{2}$
Dec. 22, 1951, to date.....				4	up to and including 20% moisture 6 $\frac{1}{2}$ c.	5
					Over 20% moisture 7 $\frac{1}{2}$ c.	9

* This is the earliest date for which official record is readily available.

REGULATIONS OF THE BOARD

On July 23, 1951, the Board amended, effective August 1, 1951, the Regulations made under authority of The Canada Grain Act by re-enacting the following regulations:—

- No. 5—Off Grades for Western Grain.
- No. 6—Off Grades for Eastern Grain.
- No. 16—Fees.
- No. 20—Maximum Tariff of Charges, Eastern Elevators.
- No. 21—Maximum Tariff of Charges and Shrinkage Allowance—Country Elevators
- No. 22—Maximum Tariff of Charges—Terminal Elevators.

On September 25, 1951, the Board amended Regulation No. 16, Fees, effective October 1, 1951, to establish a uniform charge for the inspection of unofficial samples, submitted either by licensees or persons other than licensees.

On September 27, 1951, Regulation No. 16, Fees, was amended by the Board, effective November 1, 1951, to bring the weighing fees charged in the Eastern Division more nearly into line with fees in effect in the Western Division.

Effective November 12 and December 22, 1951, the Board amended Regulation No. 22, Maximum Tariff of Charges, Terminal Elevators, to provide for increased charges for drying.

LAKE FREIGHT RATES

Application for revised maximum water carrying rates on grain from Lakehead was made to the Board by the various shipping interests before the opening of the 1951 navigation season.

Following discussions with interested shipping concerns, the Board, February 5, 1951, issued Order No. 19 rescinding maximum lake freight rates in effect and authorizing increased rates for the 1951 season as indicated below.

	Wheat and Rye	Barley	Oats	C		
				c. per bu.	c. per bu.	c. per bu.
To Georgian Bay Ports, Goderich, Sarnia and Walkerville.....	5½	5½	5			
To Port Colborne.....	7½	7½	6½			
To Toronto.....	8	7½	7½			
To Kingston.....	8½	8½	8			
To Prescott.....	9	8½	8½			
To Montreal, Sorel, Three Rivers and Quebec City. Direct or transferred at Intermediate Ports.....	16	15½	14			

This order of the Board also authorized an increase of 2 cents per bushel over the above maximum rates for tonnage loaded during December, 1951, to provide for increased insurance costs.

AUDIT OF STOCKS—TERMINAL AND EASTERN ELEVATORS

In accordance with the provisions of Section 138 and 138 (a) of The Canada Grain Act, 29 terminal and 26 licensed Eastern elevators were weighed during the 1950-51 crop year.

Large carry-over stocks at the Lakehead and country points, coupled with shortage of lake vessel tonnage for grain transport, created a congested terminal storage situation early in the 1951-52 crop season. Under these conditions weighovers became long costly operations for the Board and further tied up grain on track awaiting unload.

To remove a possible traffic slow-down threat, the Board were empowered by Order-in-Council P.C. 5122 of September 26, 1951, to defer the weighing of any terminal elevator until such time as the weighover was considered possible or practical having regard to transportation difficulties.

It was subsequently found necessary however, to defer the weighover of only one terminal elevator at the Lakehead.

The audits of two licensed Eastern elevators indicated an accumulation of rain overages as defined by Section 138 (a) of the Canada Grain Act. The value of overages disclosed amounted to \$3,285.05 was paid to the Board by the elevator licensees concerned.

CANADIAN GOVERNMENT ELEVATORS

Over four times the volume of grain was handled by the Canadian Government Interior Terminal Elevators in 1950-51 than during the previous crop year.

Grain receipts for all houses during the crop season 1950-51 totalled 3,195,456 bushels. Saskatoon and Moose Jaw elevators handled the bulk of this movement which was mostly low-grade grain.

Although the Prince Rupert house was licensed as a public terminal, no grain was taken in or shipped from the elevator during the 1950-51 crop season. A steady flow of grain has been received at Prince Rupert however, since October, 1951, and it is anticipated that some twelve vessel cargoes may clear from the Port in 1951-52.

The Port Arthur elevator continues to be operated by the McCabe Grain Company Limited under lease, which expires July 31, 1954.

The Canadian Government Elevators system had an operating surplus of \$134,968.92 for the fiscal year ended March 31, 1951, in contrast with a deficit of \$218,499.43 for the previous year.

Revenue from the Canadian Government Elevators for the 1950-51 fiscal period totalled \$700,693.31 and expenditures amounted to \$565,724.39.

The installation of a dust control system in the Calgary Elevator has been completed.

A modern passenger elevator equipment is being installed at the Port Arthur Elevator to replace obsolete equipment, and certain timber construction of the elevator offices is being replaced by fire resistant materials.

The conversion from coal to gas consumption of the drier and heating boilers of the Lethbridge Elevator is in progress.

Certain sections of the dock pile bracing at Prince Rupert have been renewed and the renewal of the entire dock pile bracing will be completed during the coming season.

All elevator buildings, equipment and railway trackage have been maintained in good operating condition.

COMMITTEES ON GRAIN STANDARDS

The Committees on Grain Standards for the crop year 1951-52 were constituted by the Board in accordance with the provisions of Section 25 of The Canada Grain Act.

The Western Committee was convened in Winnipeg on October 10 and November 7, 1951. The Eastern Committee met in Toronto on August 24 and November 20, 1951.

WHEAT BONUS

Wheat bonus certificates in the amount of Fifty Cents (50c.) were redeemed during 1951 and certificates outstanding as at December 31, 1951, amounted to \$7,745.83.

PRAIRIE FARM ASSISTANCE ACT

The Board continued to collect the 1% levy on the purchase price of grain marketed in the three prairie provinces.

Collections under the Prairie Farm Assistance Act during the 1950-51 crop year totalled \$7,334,059.06. Since August 1, 1939, the date on which the assistance program was first introduced, to July 31, 1951, total monies collected by the Board amounted to \$55,389,412.47.

EXHIBIT AT BRANDON WINTER FAIR

The Board again arranged for an exhibit at the Manitoba Winter Fair held in Brandon in April, 1951. This exhibit which highlighted the work of the Grain Research Laboratory attracted wide interest.

PERSONNEL

Under Order-in-Council P.C. 6181 dated November 20, 1951, Mr. Donald Gordon McKenzie, was re-appointed Chief Commissioner of the Board, effective January 1, 1952.

Mr. Earl Edwin Baxter was appointed Chief Statistician of the Board October 28, 1950.

Mr. Cyril Brownscombe was promoted from Head Clerk, Executive Office to Registrar, on November 1, 1951.

Mr. Richard Gerald West was promoted to Grain Weighmaster, Winnipeg on transfer from Fort William, effective November 1st, 1951.

Mr. John Joseph Manson was appointed Grain Weighmaster at Vancouver on March 23, 1951.

Mr. Ernest Harold Alexander was appointed Grain Inspector Grade 3, Toronto, effective February 1, 1951, and Mr. Arthur Metheral Creighton was promoted to Grain Inspector Grade 3, Edmonton, on May 13, 1951.

The following officers of the Board retired during 1951:—

Mr. Frederick Joseph Rathbone, Assistant Commissioner, Fort William (35 years' service).

Mr. Hugh Carruthers, Grain Weighmaster, Vancouver, (37 years' service).

Mr. David Arthur Benson, Grain Inspector Grade 3, Toronto, (37 years' service).

Mr. John Pike, Grain Inspector Grade 3, Edmonton, (26 years' service).

The Board record its regret at the death of Mr. Edward Llewellyn Jaffray in May, 1951. Mr. Jaffray was Registrar since 1946, and had been forty years in the employ of the Board.

APPOINTMENT OF TRANSPORT CONTROLLER

On August 29, 1951, Commissioner R. W. Milner was appointed Transport Controller by Order-in-Council P.C. 4558 with wide powers of regulation over the physical movement of grain and other bulk commodities by rail and land transport.

The services of Commissioner Milner were made available to the Department of Transport by the Board on a loan arrangement.

EXPENDITURE AND REVENUE

Total expenditure covering the operations of the Board for the fiscal year 1950-51, exclusive of the Canadian Government Elevators, amounted to \$2,474,015.56 compared with \$2,370,862.89 for the previous fiscal year. This represents an increase of expenditure for the 1950-51 fiscal period over the previous year of \$103,152.67, due mainly to heavier grain shipments, extensive drying operations and increased salary rates.

Revenue of the Board for 1950-51 totalled \$1,898,357.93 which was \$52,865.96 lower than the earnings of the previous year, recorded at \$1,951,223.89.

Expenditures for the first nine months of the current fiscal year totalled \$2,047,574.70 as against \$1,789,784.00 for a comparable period during the previous fiscal year.

Revenue for the same period of 1951-52 fiscal season amounted to \$2,438,560.91 substantially exceeding the revenue of the previous year for a comparable term, of \$1,564,777.22.

Reports of the various Branches of the Board are appended hereto.

Respectfully submitted.

D. G. MCKENZIE,
Chief Commissioner.

J. VALLANCE,
Commissioner.

APPENDIX No. 1

REPORT OF THE SECRETARY

WINNIPEG, MANITOBA,

January 23, 1952

The Chief Commissioner,
 Board of Grain Commissioners for Canada,
 Winnipeg, Manitoba.

DEAR SIR:

I have the honour to submit the following memoranda summarizing the different matters handled in the Executive Offices of the Board during the year 1951:

- (a) Complaints
- (b) Prosecutions
- (c) Defaults
- (d) Cars out of turn
- (e) Receipt of wheat into country elevators from railway cars
- (f) Licences issued
- (g) Grain-loading platforms
- (h) Prairie Farm Assistance Act—One Per Cent Levy
- (i) Annual Weighover—Terminal and Eastern Elevators

Yours truly,

A. T. CALDER,

Secretary.

(a) COMPLAINTS

COUNTRY COMPLAINTS

During the year ended December 31, 1951, the Board investigated one hundred and twenty-one complaints, including three outstanding as at December 31, 1950, regarding the handling of grain at country elevators, shipments to terminal elevators, and the operations of licensees under The Canadian Grain Act, as follows:

Manitoba.....	29	W
Saskatchewan.....	85	G
Alberta.....	4	
Outstanding at December 31, 1950.....	3	
		121

These were disposed of as follows:

No grounds for complaint.....	34	
Settlement effected.....	64	
Outside jurisdiction of Board.....	4	
Licensee fined.....	2	
Licensee warned.....	1	
Settlement ordered.....	1	
Complaint withdrawn.....	3	
Not yet disposed of.....	12	

121

MISCELLANEOUS COMPLAINTS

Forty-two (42) complaints were received by the Board in respect to the handling of grain at terminal elevators and shipments to Eastern Canada, together with fourteen (14) complaints outstanding at December 31, 1950. These were disposed of as follows:

	Quality	Shortage	
No evidence.....	—	47	
No grounds for complaint.....	—	1	
Settlement effected.....	—	4	
Defendant fined.....	1	—	
Not yet disposed of.....	—	3	
			56

EXPORT SHIPMENTS

Seventeen (17) complaints in respect to overseas shipments were received during the year ending December 31, 1951. These, together with four (4) complaints outstanding at December 31, 1950, were disposed of as follows:

	Quality	Shortage	
No evidence.....	—	14	
No grounds for complaint.....	4	1	
Settlement effected.....	—	1	
Not yet disposed of.....	—	1	
			21

(b) PROSECUTIONS

One penalty in the amount of \$1,000.00 was levied by the Board for a breach of Sections 43 and 55 of The Canada Grain Act.

Two penalties in a total of \$60.00 were levied by the Board for breaches of Regulation No. 18 of the Board by country elevator licensees.

(c) DEFAULTS

There were no defaults by licensees during the year 1951.

(d) CARS OUT OF TURN

During the year 1951 two hundred and sixty-four (264) out-of-turn cars were ordered by the Board under the provisions of Section 68 (2) of the Canada Grain Act as follows:

Grain out of condition.....	106	
Elevators in danger of collapse.....	100	
Elevators in danger of being flooded.....	53	
Seed Grain required for export.....	5	
		264

(e) RECEIPT OF WHEAT INTO COUNTRY ELEVATORS FROM RAILWAY CARS

Under the provisions of Section 107 (a) of The Canada Grain Act, the Board authorized the receipt of wheat from railway cars into country elevators in a total of 894 cars.

(f) STATEMENT SHOWING THE NUMBER AND KIND OF LICENCES ISSUED, AT FIVE-YEAR INTERVALS, SINCE 1890, AS AT DECEMBER 1ST EACH SEASON

Kind	1950-1951	1945-1946	1940-1941	1935-1936	1930-1931	1925-1926	1920-1921	1915-1916	1910-1911	1905-1906	1900-1901	1895-1896	1890-1891
Public Country Elevators.....	5,111	5,470	5,614	5,528	5,500	4,236	385	10	13	1,901	1,100	509	†193
Private Country Elevators.....	9	7	6	12	25	21	12	13	1,901	1,100	509	†377	
Mill Elevators.....	37	39	38	19	8	35	.....	.....	.....	.....	.....	.....	*3
Public Terminal Elevators.....	6	6	6	6	8	21	12	13	.....	.....	.....	.....
Semi-Public Terminal Elevators.....	33	37	39	38	35	.....	.....	.....	.....	.....	.....	.....
Private Terminal Elevators.....	7	8	10	36	40	64	25	19	19	111	75	128	5
Eastern Elevators.....	29	30	31	31	29	17	11	18	18	111	75	128	5
Track Buyers.....	25	27	33	41	48	95	143	195	195	117	111	117	117
Commission Merchants.....	31	36	39	51	57	94	117	111	111	117	111	117	117
Grain Dealers.....	13	11	21	24	3	3	2	2	2	2	2	2	2
Total Number Issued.....	5,301	5,671	5,837	5,786	6,130	4,540	4,014	3,369	2,143	1,100	514	382	196

* Known as "Terminal Elevators".

† Known as "Country Elevators".

(g) GRAIN-LOADING PLATFORMS

During the year 1951, no applications for the building of grain-loading platforms or the enlargement of existing ones were made to the Board.

SUMMARIZED STATEMENT OF GRAIN-LOADING PLATFORMS IN WESTERN CANADA

As at December 1, 1951

Province	Number of Platforms	Car Capacity
Manitoba.....	578	1,345
Saskatchewan.....	1,255	2,647
Alberta.....	722	1,428
British Columbia.....	34	76
Ontario.....	21	43
Total as at December 1, 1951.....	2,610	5,539

(h) THE PRAIRIE FARM ASSISTANCE ACT, 1939

ONE PERCENTUM LEVY

Amounts Collected on Grain Purchased During Period August 1, 1950, to July 31, 1951

PROVINCE	WHEAT		OATS		BARLEY		RYE		TOTAL LEVY
	Bushels	Levy	Bushels	Levy	Bushels	Levy	Bushels	Levy	
Manitoba.....	42,547,733	725,289 01	31,346,196	228,479 31	37,644,394	476,055 22	987,102	12,314 54	1,442,138 08
Saskatchewan.....	213,645,953	3,186,388 10	46,472,773	352,985 04	22,876,001	291,059 93	4,502,071	60,011 61	3,890,444 68
Alberta.....	94,260,642	1,582,410 65	19,372,803	144,003 02	20,775,861	247,601 05	1,966,667	27,307 86	2,001,322 58
	350,454,328	5,494,087 76	97,191,772	725,467 37	81,296,256	1,014,716 20	7,455,840	99,634 01	7,333,905 34
Mixed Grain.....									\$ cts.
Adjustments not allocated to grains or provinces.....									None
Collections—August 1, 1950 to July 31, 1951.....									153 72
Collections—August 1, 1939 to July 31, 1950.....									7,334,059 06
Collections—August 1, 1950 to July 31, 1951.....									48,055,353 41
Total Collections, 1939 to July 31, 1951.....									7,334,059 06
									55,389,412 47

(i) ANNUAL WEIGH-OVER, TERMINAL AND EASTERN ELEVATORS

BOARD OF GRAIN COMMISSIONERS FOR CANADA

ANNUAL WEIGH-UP OF GRAIN IN STORE IN PUBLIC TERMINAL ELEVATORS, CROP YEAR AUGUST 1, 1950, TO JULY 31, 1951

SUMMARY OF OVERAGES OR SHORTAGES

Date of Audit	Licensee	Wheat		Oats		Mixed Feed Oats		Barley		Rye		Flaxseed		Mixed Grain		Corn	
		Over-age bu.	Short-age bu.	Over-age lbs.	Short-age bu.	Over-age bu.	Short-age bu.										
<i>Canadian Government Elevators—</i>																	
Aug. 7-8, 1950..	Calgary, Alta.....	110-30	30-06	.....	.....	1,461-32	.....	82-18	.....	.....	.....	3,020	.....	.....	.....	102-24	.....
July 18-21/51..	Calgary, Alta.....	307-05	584-18	.....	27-22	50-40	.....	50-40	.....	.....	.....	2,780	.....	.....	.....	25-34	.....
July 10-17/51..	Edmonton, Alta.....	1,338-30	406-31	.....	.....	2-29	.....	.....	.....	.....	.....	.....	.....	6,000	.....	15-10	.....
July 23, 1951..	Lethbridge, Alta.....	403-50	.....	.....	.....	13-36	.....	.....	.....	.....	.....	.....	.....	5,800	6,000	.....	143-12
	Totals.....	710-55	1,449-00	1,021-21	.....	27-22	1,515-05	13-36	82-18	50-40	.....	.....	.....	.....	.....	.....	.....
	Net Total—Overage.....	.....	1,321-21	.....	27-22	1,501-17	.....	31-34	.....	.....	.....	.....	.....	.....	.....	.....	.....
	or Shortage.....	.....	738-05	.....	.....	.....	.....	.....	.....	.....	.....	200	.....	143-12	.....	.....	.....

BOARD OF GRAIN COMMISSIONERS FOR CANADA

ANNUAL WEIGH-UP, CROP YEAR 1950-51

SUMMARY OF RESULTS OF CALCULATIONS OF EXCESS OR DEFICIENCY IN THE FIRST FOUR STATUARY AND 1 C.W. GARNET AND 2 C.W. GARNET GRADES OF WHEAT, AS REVEALED BY THE ANNUAL WEIGH-UP DURING THE CROP YEAR, 1930, TO JULY 1, 1930, OF GRAIN IN STORE IN PUBLIC TERMINAL ELEVATORS IN THE WESTERN DIVISION AND APPRECIATED AT THE MANNER PRESCRIBED IN SECTION 138, CANADA GRAIN ACT 1930, AND AMENDMENTS THERETO

(i) ANNUAL WEIGH-OVER, TERMINAL AND EASTERN ELEVATORS—*Continued*

BOARD OF GRAIN COMMISSIONERS FOR CANADA

STATISTICS BRANCH

ANNUAL WEIGH-UP, CROP YEAR 1950-51

SUMMARY OF RESULTS OF CALCULATIONS OF EXCESS OR DEFICIENCY IN THE FIRST FOUR STATUTORY AND 1 C.W. GARNET AND 2 C.W. GARNET GRADES OF WHEAT,
AS DISCLOSED BY THE ANNUAL WEIGH-UP DURING THE CROP YEAR AUGUST 1, 1950 TO JULY 31, 1951, OF GRAIN IN STORE IN SEMI-PUBLIC
TERMINAL ELEVATORS AT FORT WILLIAM AND PORT ARTHUR AND ARRIVED AT IN THE MANNER PRESCRIBED
IN SECTION 138, CANADA GRAIN ACT, 1930 AND AMENDMENTS THERETO

Date of Audit	LICENSEE	EXCESS				DEFICIENCY					
		1 Hard bul	1 Northern bu.	2 Northern bu.	3 Northern bu.	1 C.W. Garnet bu.	2 C.W. Garnet bu.	1 Hard bu.	1 Northern bu.	2 Northern bu.	3 Northern bu.
Aug. 3-8.....	<i>Canadian Consolidated Grain Co.,</i> Thunder Bay.....	.....	2,711-40	.....	.....	.....	.....	148-40	.....	4,447-00	35-40
May 3-10.....	<i>Eastern Terminal Elevator Co. Ltd.</i> Jas. Richardson & Sons.....	.....	3,146-20	.....	.....	.....	1,341-50	.....	2,327,10	.....	211-00
Aug. 16-22.....	<i>Fort William Elevator Co. Ltd.</i> Elevator "F".....	.....	97-20	.....	.....	.....	160-40	5,235-40	20,329-30	.....	40-30
Jan. 31-Feb. 2.....	<i>Lakehead Terminals Ltd.</i>.....	.....	.....	.....	.....	.....	112-50	241-30	.....	.....	.....
May 17-18.....	<i>Manitoba Pool Elevators</i> Terminal No. 2.....	.....	.....	.....	.....	.....	763-00	1,816-30	163-30	.....	.....
Dec. 15-20.....	<i>McCabe Grain Co. Ltd.</i> Dominion Govt. Elevator.....	.....	.....	.....	.....	.....	785-50	4,920-40	2,720-00	.....	11-30
Dec. 18-27.....	<i>Ogilvie Flour Mills Co. Ltd.</i> N. M. Paterson & Sons Ltd.....	5-10	.....	1,602-50	.....	.....	.....	2,141-40	.....	.....	7-30
Aug. 22-28.....	<i>Superior Elevator Co. Ltd. (P. & H.)</i> June 28-July 5.....	4,212-20	.....	.....	.....	14,515-20	6,039-20	6,692-40	.....	3-50	.....

GRAIN COMMISSION

SUMMARY OF RESULTS OF CALCULATIONS OF EXCESS OR DEFICIENCY IN THE FIRST FOUR STATUTORY AND 1 C.W. GARNET AND 2 C.W. GARNET GRADES OF WHEAT,
AS DISCLOSED BY THE ANNUAL WEIGH-UP DURING THE CROP YEAR AUGUST 1, 1950, TO JULY 31, 1951, OF GRAIN IN STORE IN SEMI-PUBLIC
TERMINAL ELEVATORS, VANCOUVER-NEW WESTMINSTER, CHURCHILL AND NORTH TRANScona, AND
ARRIVED AT IN THE MANNER PRESCRIBED IN SECTION 138, CANADA GRAIN ACT, 1930, AND AMENDMENTS THERETO

TRADE AND COMMERCE

BOARD OF GRAIN COMMISSIONERS FOR CANADA

ANNUAL WEIGH-UP, CROP YEAR 1950-51

SUMMARY OF RESULTS OF CALCULATIONS OF EXCESS OR DEFICIENCY IN THE FIRST FOUR STATUTORY AND 1 C.W. AND 2 C.W. GARNET GRADES OF WHEAT HANDLED AND IN STORE IN PRIVATE TERMINAL ELEVATORS IN THE WESTERN DIVISION, DURING CROP YEAR, AUGUST 1, 1950 TO JULY 31, 1951 AND ARRIVED AT IN THE MANNER PRESCRIBED IN SECTION 138, CANADA GRAIN ACT, 1930 AND AMENDMENTS THERETO.

		Calgary, Alberta	
		Canada Malting Co. Ltd. No. 1	
		Excess	Deficiency
		bu.	bu.
1 Hard.....			
1 Northern.....			
2 Northern.....			
3 Northern.....			
1 C.W. Garnet.....			
2 C.W. Garnet.....			20-50

No wheat of the above grades was handled or in store in the following elevators:—

Date of Audit	Elevator Company	Location
July 13, 1951	Canada Malting Co. Ltd. No. 2.....	Calgary, Alta.
July 13, 1951	Canada Malting Co. Ltd. No. 3.....	Calgary, Alta.
Apr. 20, 1951	Canada Malting Co. Ltd.....	Winnipeg, Man.
July 12, 1951	Canada Malting Co. Ltd.....	Pt. Arthur, Ont.
May 1, 1951	Dominion Malting Co. Ltd.....	S. Transcona, Man.
July 27, 1951	United Grain Growers Term. Ltd.....	Edmonton, Alta.
June 14, 1951	National Grain Co. Ltd. (D. & S.).....	Ft. William, Ont.

BOARD OF GRAIN COMMISSIONERS FOR CANADA

ANNUAL WEIGH-UP, CROP YEAR 1950-51

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SUMMARY OF RESULTS OF CALCULATIONS OF OVERAGES AND SHORTAGES IN WESTERN CANADIAN AND FOREIGN
GRAIN AS REVEALED BY THE ANNUAL WEIGH-UP DURING CROP YEAR AUGUST 1, 1950, TO JULY 31, 1951,
OF GRAIN IN STORE IN EASTERN ELEVATORS, AND ARRIVED AT IN THE MANNER PRESCRIBED IN SECTION
138A CANADA GRAIN ACT, 1930, AND AMENDMENTS THERETO.

Date of Audit	Licensee	Kind of Grain	Overage	Shortage
1951			bu.	bu.
March 15- March 26	<i>Collingwood</i> Collingwood Terminals Ltd.....	Western Canadian Wheat..... Western Canadian Oats..... Western Canadian Barley..... Western Canadian Screenings..... U.S.A. Wheat..... U.S.A. Corn.....	150-28 lbs. 5,330 666-30 770-22	1,183-50 751-01 385-38 25-32 157-21 (lbs.) 2,820 (lbs.) 23,260
March 17- April 3	<i>Goderich</i> Goderich El. & Transit Co. Ltd...	Western Canadian Wheat..... Western Canadian Oats..... Western Canadian Barley..... Western Canadian Rye..... Western Canadian Flaxseed..... Western Canadian Mixed Grain..... Western Canadian Sample Grain..... Western Canadian Screenings..... U.S.A. Flaxseed..... U.S.A. Corn.....	5,450-10 2,379-04 385-38 25-32 157-21 (lbs.) 68,200 73-18 1,716-01	1,183-50 751-01 385-38 25-32 157-21 (lbs.) 2,820 (lbs.) 23,260
March 22	<i>Goderich</i> Purity Flour Mills Ltd.....	Western Canadian Wheat.....		261-20
April 9- April 16	<i>Humberstone</i> Robin Hood Flour Mills Ltd.....	Western Canadian Wheat..... Western Canadian Barley..... U.S.A. Wheat.....	2,588-10 59-08 121-30	2,588-10 59-08 121-30
Feb. 14- Feb. 16	<i>Kingston</i> Canada Steamship Lines Ltd.....	Western Canadian Wheat..... Western Canadian Oats..... Western Canadian Barley..... Western Canadian Rye..... Western Canadian Flaxseed..... Western Canadian Sample Grain..... U.S.A. Flaxseed..... U.S.A. Corn.....	8,206-10 488-09 1,775-20 24-55 1,115-34 (lbs.) 2,070 6-31 151-54	8,206-10 488-09 1,775-20 24-55 1,115-34 (lbs.) 2,070 6-31 151-54
March 2- March 13	<i>Midland</i> Aberdeen Elevator Co. Ltd.....	Western Canadian Wheat..... U.S.A. Barley..... U.S.A. Corn.....	49-08 583-23	142-00 583-23
March 6- March 21	<i>Midland</i> Canadian National Railways.....	Western Canadian Wheat..... Western Canadian Oats..... U.S.A. Wheat..... U.S.A. Barley..... U.S.A. Corn.....	61-26 592-50 30-00 160-02	1,885-20 61-26 592-50 30-00 160-02
March 22- April 12	<i>Midland</i> Canada Steamship Lines Ltd.....	Western Canadian Wheat..... Western Canadian Oats..... Western Canadian Barley..... Western Canadian Rye.....	7-44 268-46	1,249-30 128-27
Feb. 23- Mar. 1	<i>Midland</i> Midland Simcoe Elev. Co. Ltd....	Western Canadian Wheat..... Western Canadian Oats..... Western Canadian Barley..... Western Canadian Sample Grain..... U.S.A. Wheat..... U.S.A. Corn.....	(lbs.) 3,290 466-40 969-31	2,388-00 3,483-23 575-18

ANNUAL WEIGH-UP, CROP YEAR 1950-51—(Continued)
CALCULATIONS OF OVERAGE OR SHORTAGE—EASTERN ELEVATORS

Date of Audit	Licensee	Kind of Grain	Overage	Shortage
1951			bu.	bu.
March 27— April 6	Owen Sound— Great Lakes Elev. Co. Ltd.....	Western Canadian Wheat..... Western Canadian Oats..... Western Canadian Barley..... Western Canadian Rye..... Western Canadian Mixed Grain..... Western Canadian Sample Grain..... Western Canadian Screenings..... U.S.A. Barley..... U.S.A. Corn.....	2,247 M 1,802 351 41 (lbs.) (lbs.) 5 (lbs.) 6 1,861 203	F
April 5	Port Colborne— National Harbours Board.....	Western Canadian Wheat..... Western Canadian Oats..... Western Canadian Barley..... Western Canadian Rye..... Western Canadian Flaxseed..... U.S.A. Wheat..... U.S.A. Barley..... U.S.A. Flaxseed..... U.S.A. Corn.....	13,709 83 J 1,268 F 33 183 2,244 186 214 3,518	13 83 J 183 2,244 186 214 3,518
March 8— March 16	Port Colborne— Maple Leaf Milling Co. Ltd.....	Western Canadian Wheat..... Western Canadian Oats..... Western Canadian Barley..... Western Canadian Rye..... Western Canadian Peas..... Western Canadian Mixed Feed Oats Groats.....	8,666 321 81 23 745-50 110-1,210 tons	8 321 81 23 745-50 110-1,210 tons
Feb. 28— March 5	Port McNicoll— Canadian Pacific Railway Co.....	U.S.A. Corn.....	563	
Feb. 16— Feb. 21	Prescott— National Harbours Board.....	Western Canadian Wheat..... Western Canadian Oats..... Western Canadian Barley..... Western Canadian Flaxseed..... Western Canadian Sample Grain..... Western Canadian Screenings..... U.S.A. Wheat..... U.S.A. Corn..... Argentine Oats..... Origin Unknown Screenings.....	2,677 154 213 2 (lbs.) 2, (lbs.) 265 Ja 2,77 Ja 13 (lbs.)	2,677 154 213 2 (lbs.) 2, (lbs.) 265 Ja 2,77 Ja 13 (lbs.)
April 16— April 26	Sarnia— Sarnia Elevator Co. Ltd.....	Western Canadian Wheat..... Western Canadian Oats..... Western Canadian Barley..... Western Canadian Sample Grain..... U.S.A. Corn.....	4,710 1,068 2,699 (lbs.) 18,020 24 Ja	4,710 1,068 2,699 (lbs.) 18,020 24 Ja
April 9— April 13	Toronto— Toronto Elevators Ltd.....	Western Canadian Wheat..... Western Canadian Oats..... Western Canadian Barley..... Western Canadian Flaxseed..... Western Canadian Screenings (lbs.) 26,250 U.S.A. Wheat..... U.S.A. Flaxseed..... U.S.A. Corn..... U.S.A. Soya Beans..... U.S.A. Corn Grits..... Argentine Oats..... Origin Unknown Screenings.....	4,129 2,427 1,179 273 (lbs.) 26,250 11 Ja 11 Ja 222-10 119 (lbs.) 530 234 (lbs.) 15	4,129 2,427 1,179 273 (lbs.) 26,250 11 Ja 11 Ja 222-10 119 (lbs.) 530 234 (lbs.) 15

GRAIN COMMISSION

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ANNUAL WEIGH-UP, CROP YEAR 1950-51—(Continued)
CALCULATIONS OF OVERAGE OR SHORTAGE—EASTERN ELEVATORS

ag	Date of Audit	Licensee	Kind of Grain	Overage	Shortage
1951				bu.	bu.
Feb. 23- 47 March 5	Walkerville— Hiram Walker & Sons Grain Corp. Ltd.	Western Canadian Wheat... Western Canadian Oats... Western Canadian Barley... Western Canadian Rye... Western Canadian Sample Grain... U.S.A. Corn... U.S.A. Screenings... U.S.A. Dried Grain... Origin Unknown Screenings... Origin Unknown Dried Grains...	770-30 318-07 455-41 (lbs.) 920 2,316-16 (lbs.) 50 (lbs.) 1,930 (lbs.) 50 (lbs.) 1,160		
5 6 61 08 09 83 Jan. 30— 68 Feb. 14	Montreal— National Harbours Board	Western Canadian Wheat... Western Canadian Oats... Western Canadian Barley... Western Canadian Rye... Western Canadian Flaxseed... Western Canadian Buckwheat... Western Canadian Mixed Western Canadian Grain... Sample Grain... Western Canadian Screenings... U.S.A. Wheat... U.S.A. Oats... U.S.A. Barley... U.S.A. Flaxseed... U.S.A. Corn... U.S.A. Buckwheat... Argentine Oats...	20,727-55 1,431-06 1,604-29 685-13 540-09 3-05 (lbs.) 220 (lbs.) 3,430 (lbs.) 1,710 2,976-10 102-12 107-28 435-49 11,823-08 17-04 128-26		
35 April 16— 5 April 20	Montreal— Dominion Elevator Ltd.	Western Canadian Wheat... Western Canadian Oats... Western Canadian Barley... Western Canadian Mixed Western Canadian Sample Grain... Western Canadian Screenings... U.S.A. Corn... Argentine Oats...	209-40 193-02 126-33 (lbs.) 370 (lbs.) 100 (lbs.) 10,860 75-21 72-08		
26 Jan. 23— 77 Jan. 25	Quebec— National Harbours Board	Western Canadian Wheat... Western Canadian Oats... Western Canadian Barley... Western Canadian Sample Grain... Western Canadian Screenings... U.S.A. Corn... Argentine Oats...	3,295-50 727-08 876-18 (lbs.) 1,740 (lbs.) 1,010 66-05 46-26		
Jan. 26— 24 Jan. 29	Sorel— North American Elevs. Ltd.	Western Canadian Wheat... Western Canadian Oats... Western Canadian Barley... Western Canadian Rye... Western Canadian Screenings... U.S.A. Wheat... U.S.A. Barley... U.S.A. Corn...	3,199-30 9-31 297-32 59-16 (lbs.) 520 96-20 179-28 1,229-14		
11 Jan. 26— 11 Jan. 27	Three Rivers— Three Rivers Gr. & Elev. Co. Ltd	Western Canadian Wheat... Western Canadian Oats... Western Canadian Barley... U.S.A. Wheat... U.S.A. Corn... Argentine Oats...	4,513-30 12-16 10-25 114-30 2,233-12 6-13		

ANNUAL WEIGH-UP, CROP YEAR 1950-51—(Concluded)

CALCULATIONS OF OVERAGE OR SHORTAGE—EASTERN ELEVATORS

Date of Audit	Licensee	Kind of Grain	Overage	Shortage
1951			bu.	bu.
May 12	<i>Halifax</i> — National Harbours Board.....	Western Canadian Wheat..... Western Canadian Oats..... Western Canadian Barley..... U.S.A. Corn.....		R. 11A. 1J. 307C.
May 10	<i>St. John</i> — Canadian National Railways.....	Western Canadian Wheat..... Western Canadian Oats..... Western Canadian Barley..... Western Canadian Rye.....		P. 22D. 47D. 12D.
May 11	<i>West St. John</i> — Can. Pac. Rlys Elev. "B".....	Western Canadian Wheat..... Western Canadian Oats..... Western Canadian Barley..... Western Canadian Rye..... U.S.A. Barley.....		W. 8W. 656R. 9R. 13R.
May 11	<i>West St. John</i> — Can. Pac. Rlys. Elev. "H".....	Western Canadian Wheat..... Western Canadian Oats..... Western Canadian Barley..... Western Canadian Rye..... Western Canadian Flaxseed..... Western Canadian Buckwheat..... U.S.A. Corn.....		A. 37A. 331J. 114J. 218J. 6W. 342R.

APPENDIX No. 2

COMMITTEES ON GRAIN STANDARDS

COMMITTEE ON WESTERN GRAIN STANDARDS, 1951

D. G. McKenzie, Chief Commissioner, Board of Grain Commissioners
 J. Vallance, Commissioner, Board of Grain Commissioners
 R. W. Milner, Commissioner, Board of Grain Commissioners
 A. F. Dollery, Chief Grain Inspector, Board of Grain Commissioners
 J. Forsyth, Chairman, Grain Appeal Tribunal, Winnipeg
 C. R. Manahan, Chairman, Grain Appeal Tribunal, Edmonton
 P. J. Marples, Chairman, Grain Appeal Tribunal, Calgary
 Dr. J. A. Anderson, Chief Chemist, Dominion Grain Research Laboratory
 Dr. C. H. Goulden, Dominion Cerealist
 W. A. Hastings, representing the millers of wheat flour

George Bennett
 W. H. Fairfield
 R. H. MacDonald
 S. Plumer
 A. F. Sproule
 A. P. Gleave
 Wellbelove
 L. Gray
 S. Canfield
 W. J. Parker
 R. Barrett
 Ray Mitchell

Representing grain growers in Alberta

Representing grain growers in Saskatchewan

Representing grain growers in Manitoba

Constable, representing grain growers in British Columbia
 Nelson Young, representing Plant Products Division, Department of Agriculture

COMMITTEE ON EASTERN GRAIN STANDARDS, 1951

D. G. McKenzie, Chief Commissioner, Board of Grain Commissioners
 J. Vallance, Commissioner, Board of Grain Commissioners
 R. W. Milner, Commissioner, Board of Grain Commissioners
 A. F. Dollery, Chief Grain Inspector, Board of Grain Commissioners
 Clare Wight, representing Montreal Board of Trade
 D. Sullivan, representing Toronto Board of Trade
 Guy D. Robinson, representing exporters of grain
 H. Dunsford
 I. Norman Davis
 Hugh Bailey
 V. A. Amos
 Vm. Wallace
 L. B. Paterson
 John W. Ham

Representing millers of wheat in the Eastern Division

Representing grain growers in Ontario

Additional—representing growers of corn

Meetings held: Western Committee, Winnipeg, October 10, 1951 and November 7, 1951

Eastern Committee, Toronto, August 24, 1951 and November 20, 1951.

APPENDIX No. 3

GRAIN APPEAL TRIBUNALS

<i>Winnipeg</i>	<i>Calgary</i>	<i>Edmonton</i>	<i>T</i>
J. Forsyth, Chairman	P. J. Marples, Chairman	C. R. Manahan, Chairman	
Grant Hammond	T. F. Allison	J. F. Schofield	
W. E. McLeod	J. Tranter	W. H. Boyle	
A. F. Moore	W. N. Pringle	J. R. MacRae	
James Gregory	W. McLeod	T. Stickney	
S. C. Swanton	E. J. Munson	J. A. Kyle	
J. F. Lazenby	G. C. Arbuthnott	H. A. Haggarty	
D. K. Mills	A. Watson	C. E. Sage	
H. R. Ballance	G. R. Deeton	Ross Saunders	
J. A. Wittebolle (Acting Secretary)		D. K. McKay (Secretary)	
<i>Toronto</i>		<i>Montreal</i>	
John W. Ham		A. Chaplin	
C. H. Coatsworth		T. B. Earle	
R. O. Pratt		J. A. Byrne	
N. H. Campbell		J. M. Vittie	
C. W. Heimbecker		T. A. Climo	
L. S. Johnston		E. Lorne Tracey (Secretary)	
W. H. McCarthy			
W. A. Robertson			
E. D. Sullivan			
K. F. Wadsworth			
F. D. Tolchard (Secretary)			

SUMMARY OF APPEALS FOR THE CROP YEAR ENDED JULY 31, 1951

	Appeals Held	Number of Appeals Allowed		Number of Appeal Disallowances
		Raised	Lowered	
Winnipeg.....	650	54	Nil	596
Calgary.....	501	78	Nil	423
Edmonton.....	270	35	Nil	235
Toronto.....	Nil	Nil	Nil	Nil
Montreal.....	Nil	Nil	Nil	Nil
	1,421	167	Nil	1,254

APPENDIX No. 4

REPORT OF LICENSE AND BONDING BRANCH

The Secretary,
 Board of Grain Commissioners,
 Winnipeg, Manitoba

DEAR SIR:

I have the honour to submit the following report of the License and Bonding Branch for the year 1951.

During the crop year which commenced on August 1, 1950, and ended on July 31, 1951, one hundred and thirty-nine (139) firms and individuals applied for licences as required by the provisions of The Canada Grain Act.

Five thousand, six hundred and fifty-nine (5,659) applications for licences to operate were received and five thousand, five hundred and twenty-eight (5,528) licences were issued. One hundred and twenty-one (121) licences were transferred and ten (10) applications were withdrawn for various reasons.

APPLICATIONS RECEIVED AND LICENCES ISSUED

Kind	Applications		Licences	
	Received	Withdrawn	Issued	Transferred
Track Buyers.....	27	1	26	.....
Commission Merchants.....	33	.....	33	.....
Grain Dealers.....	16	2	14	.....
Public Terminal Elevators.....	6	.....	6	.....
Semi-Public Terminal Elevators.....	35	.....	35	.....
Private Terminal Elevators.....	8	.....	8	.....
Eastern Elevators.....	30	1	29	.....
Mill Elevators.....	38	1	37	.....
Private Country Elevators.....	11	.....	11	.....
Public Country Elevators.....	5,334	5	5,329	.....
Transfers.....	121	.....	.....	121
	5,659	10	5,528	121

The total licensed storage capacity as at July 31, 1951, was 515,603,970 bushels; elevators proper and permanent annexes comprising 444,516,320 bushels and temporary annexes 71,087,650 bushels; 5,429 elevators being licensed at that date.

Twenty-two (22) country elevator licences were cancelled by the Board during the crop year 1950-51 for the following reasons:—

Elevators demolished.....	8
Elevators destroyed by fire.....	5
Licences applied for in error.....	5
Elevators converted into permanent annexes.....	2
Receiving scale removed from elevator.....	1
Change in class of licence.....	1

Ten licences were suspended by the Board for varying periods during the crop year. Of these, nine were suspended because of repairs being necessary at licensed elevators but they were all reinstated in due course after the buildings had been repaired, and one as disciplinary action on account of the excessive overage record of the agent operating the elevator.

One hundred and twenty-one (121) licences were transferred from the original licensees to new managers during the crop year, necessitated by the leasing or selling of the elevators.

Licence fees collected during the crop year 1950-51 amounted to \$29,391.00 of this amount, \$70.00 was refunded to applicants who withdrew their applications for licences and \$20.00 on account of licences cancelled as from date of issue.

The collections of the one per centum levy made under the provisions of The Prairie Farm Assistance Act for the crop year 1950-51, as recorded at this office, were \$7,334,059.06. The total collections from August 1, 1939, to July 31, 1951, amounted to \$55,389,412.47.

Guarantee bonds in the amount of \$28,753,836.50, executed by seventeen (17) of the approved surety companies, were deposited with the Board as security under Section 79 of The Canada Grain Act to cover the operations of the licensee during the crop year 1950-51. In addition, six (6) licensees deposited negotiable Government bonds with a par value of \$25,500.00 in lieu of furnishing the usual forms of surety bonds.

During the first four months of the 1951-52 crop year, which commenced on August 1, 1951, 5,565 applications for licences of all classes were received and 5,546 licences were issued.

At December 1, 1951, there were 5,569 buildings classed as elevators under the provisions of The Canada Grain Act, 5,539 in the Western Division and 30 in the Eastern Division, 5,479 being licensed at that date. These buildings and their storage capacities, together with several summarizing statements and other relative information, are listed in the publication entitled "List of Grain Elevators in the Western and Eastern Divisions" which is published biennially.

Order-in-Council P.C. 5122, issued on September 26, 1951, authorized the use of supplementary storage space not eligible for licence under The Canada Grain Act. These buildings are known as Special Annexes; to date, 36 applications for authority to use this type of storage space have been received and 22 authorities have been granted.

The total licensed storage capacity as at December 1, 1951, was 526,862,770 bushels, permanent storage space amounting to 454,013,320 bushels, temporary 72,222,150 bushels and Special Annexes 627,300 bushels.

The one per centum levy collected during the first three months of the 1951-52 crop year amounted to \$2,132,628.32, the total collected since August 1, 1939, up to November 1, 1951, being \$57,522,040.79.

Respectfully submitted,

C. F. SPITTLE,

Licensing Officer.

APPENDIX No. 5

Report of Registrar

WINNIPEG, MANITOBA,

November 22, 1951

The Secretary,
 Board of Grain Commissioners for Canada,
 Winnipeg, Manitoba.

Dear Sir:

I have the honour to submit hereunder statement showing the total registrations and registrations for cancellation of terminal warehouse receipts, Western Division, and warehouse receipts or transfer receipts, Eastern Division, during the crop year ended July 31, 1951:

	Bushels Registered	Bushels Registered for Cancellation
<i>Winnipeg—</i>		
Wheat.	183,422,049	165,611,936
Oats.	74,264,845	67,375,031
Barley.	54,516,121	45,156,519
Flax.	2,464,791	4,580,930
Rye.	8,547,874	9,918,669
Mixed Grain.	678,884	576,504
Corn.	14,904	25,404
Buckwheat.	17,913	19,840
<i>Vancouver—</i>		
Wheat.	59,101,837	68,150,240
Oats.	1,263,325	2,029,218
Barley.	5,631,649	5,044,455
Flax.	464,346	540,631
Rye.	8,116	11,685
Mixed Grain.	46,175	26,341
Corn.	102,419	3,375
<i>Calgary—</i>		
Wheat.	661,610	344,032
Oats.	19,905	20,828
Barley.	1,516,541	1,640,104
Rye.	40,841	49,512
Mixed Grain.	1,525	2,720
Corn.	14,009	13,983
<i>Edmonton—</i>		
Wheat.	1,372,300	363,619
Oats.	224,098	207,701
Barley.	65,325	45,077
Flax.	1,375	1,250
Mixed Grain.	381	366
Corn.	7,117	7,289
<i>Lethbridge—</i>		
Wheat.	60,357	62,399
Barley.	16,138	16,125
<i>Moose Jaw—</i>		
Wheat.	4,430,045	240,927
Oats.	4,428	3,830
Barley.	3,338	3,338
Flax.	1,721	1,721
Mixed Grain.	2,246	652
Rapeseed.	6,961	21,282

	Bushels Registered	Bushels Registered for Cancellation
<i>Saskatoon—</i>		
Wheat.....	4,650,306	138,011
Oats.....	4,443	4,0
Barley.....	1,413	
Flax.....	82,751	90,8
Mixed Grain.....	495	20
Rapeseed.....	3,185	
<i>Summary—Western Division—</i>		
Wheat.....	253,698,507	234,911,212
Oats.....	75,781,046	69,640,610
Barley.....	61,750,528	51,905,619
Flax.....	3,014,986	5,224,3
Rye.....	8,596,833	9,979,8
Mixed Grain.....	729,709	606,8
Corn.....	138,451	50,0
Buckwheat.....	17,913	19,8
Rapeseed.....	10,147	21,2
Total—All Grains.....	403,738,120	372,359,710

EASTERN WAREHOUSE RECEIPTS OR TRANSFER RECEIPTS

<i>Montreal—</i>		
Wheat.....	228,682,175	246,370,100
Oats.....	32,499,310	31,340,4
Barley.....	36,974,549	32,884,8
Flax.....	8,498,198	9,382,0
Rye.....	5,999,115	6,482,7
Mixed Grain.....	1,103,878	1,176,5
Corn.....	33,875,944	34,569,4
Screenings.....	441,818	387,1
Buckwheat.....	293,390	289,7
Beans.....	4,159,650	4,154,1
Oat Groats.....	6,506	7,5
Dried Grains.....		
Peas.....	79,717	158,4
Corn Grits.....	745	1,7
Total—All Grains.....	352,638,954	367,217,690

Yours respectfully,

C. J. BROWNSCOMBE,

Registrar.

APPENDIX No. 6

1064 Grain Exchange,
WINNIPEG, MAN.

December 5, 1951.

8.0 Mr. A. T. Calder, Secretary,
4.0
0.8
Winnipeg, Man.

2 DEAR SIR:

I have the honour to submit herewith the annual report covering car and cargo inspections in the Western Division, also the car and cargo inspections, and sampling of grain in the Eastern Division for the crop year ending July 31st, 1951.

The condition of the Red Spring Wheat crop in the three Western Provinces of Manitoba, Saskatchewan, and Alberta at the beginning of August, 1950, indicated that a large crop of good quality wheat would be harvested, but the devastating frost that occurred on August 16th, before the grain was ready for harvesting, drastically lowered the grades on a large quantity of the crop into the commercial grades of No. 5, No. 6, and Feed Wheat.

Unfavourable weather conditions also resulted in considerable grain grading rough and damp. Owing to the frosted condition of the crop, a special effort was made by the Inspection Branch to grade two pound samples submitted by producers and elevator agents subject to grade and dockage, with the result twenty-seven thousand and twenty-three samples were graded. Of this number, 2,702 samples submitted by licensees were charged for and 21,321 samples sent in by non-licensees were graded free of charge.

In the Eastern Division, the quality of all cereals harvested was equal to the previous year, with the exception of small areas in Ontario that received unfavourable weather conditions, the Winter Wheat was degraded account of sprouts.

The total number of cars inspected in the Western Division for the year 1950-51 was 266,526 as against 246,264 for the previous year, an increase of 20,262 cars.

Yours truly,

A. F. DOLLERY,
Chief Grain Inspector.

WESTERN DIVISION

The Total Primary Inspections in the Western Division from August 1, 1950 to July 31, 1951 are made up as follows:—

	Cars	Percentages
Wheat.....	184,945	69.391
Oats.....	36,191	13.579
Barley.....	38,042	14.273
Flax.....	1,982	0.744
Rye.....	4,780	1.794
Mixed Grain.....	273	0.103
Corn.....	42	0.016
Buckwheat.....	16	0.006
Screenings.....	232	0.087
Peas.....	23	0.007
Total.....	266,526	100.000

The Grades of Wheat are as follows:—

	Cars	Percentage	Perce of T Wh Inspec
1 Manitoba Northern.....	8,885	5.161	una
2 Manitoba Northern.....	30,407	17.662	una
3 Manitoba Northern.....	28,607	16.616	a
4 Manitoba Northern.....	20,108	11.680	una
No. 4 Special.....	5	0.003	a
No. 5.....	23,794	13.822	una
No. 6.....	18,664	10.841	una
Feed.....	3,762	2.185	una
Sample.....	88	0.051	una
Smutty.....	277	0.161	una
Tough.....	30,753	17.863	una
Damp.....	6,243	3.626	una
Rejected.....	568	0.329	una
Total Red Spring Wheats.....	172,161	100.000	una
1 Canada Western Garnet.....	5	0.279	una
2 Canada Western Garnet.....	350	19.509	una
3 Canada Western Garnet.....	1,366	76.143	una
Tough Canada Western Garnet.....	56	3.121	una
Damp Canada Western Garnet.....	2	0.111	una
Rejected Canada Western Garnet.....	15	0.837	una
Total Garnet Wheats.....	1,794	100.000	una
1 Canada Western Amber Durum.....	24	0.255	una
2 Canada Western Amber Durum.....	335	3.557	una
3 Canada Western Amber Durum.....	2,670	28.350	una
4 Canada Western Amber Durum.....	1,463	15.534	una
5 Canada Wesetrn Amber Durum.....	362	3.844	una
6 Canada Western Amber Durum.....	140	1.486	una
Smutty Canada Western Amber Durum.....	16	0.170	una
Tough Canada Western Amber Durum.....	2,275	24.156	una
Damp Canada Western Amber Durum.....	2,049	21.756	una
Rejected Canada Western Amber Durum.....	67	0.711	una
Sample Canada Western Amber Durum.....	17	0.181	una
Total Amber Durum Wheats.....	9,418	100.000	una
1 Canada Western Soft White Spring.....	25	8.361	una
2 Canada Western Soft White Spring.....	216	72.241	una
3 Canada Western Soft White Spring.....	29	9.699	una
4 Canada Western Soft White Spring.....	4	1.338	una
Tough Canada Western Soft White Spring.....	19	6.354	una
Damp Canada Western Soft White Spring.....	6	2.007	una
Total Soft White Spring Wheats.....	299	100.000	una
1 Canada Western Mixed Wheat.....	62	11.012	una
2 Canada Western Mixed Wheat.....	116	20.604	una
3 Canada Western Mixed Wheat.....	10	1.776	una
4 Canada Western Mixed Wheat.....	130	23.091	una
5 Canada Western Mixed Wheat.....	31	5.506	una
6 Canada Western Mixed Wheat.....	51	9.059	una
Tough Canada Western Mixed Wheat.....	137	24.334	una
Damp Canada Western Mixed Wheat.....	14	2.487	una
Smutty Canada Western Mixed Wheat.....	2	0.355	una
Rejected Canada Western Mixed Wheat.....	10	1.776	una
Total Mixed Wheats.....	563	100.000	una
1 Alberta Red Winter.....	288	40.563	una
2 Alberta Winter.....	204	42.817	una
3 Alberta Winter.....	42	5.916	una
4 Alberta Winter.....	5	0.704	una
Tough Alberta Winter.....	19	2.676	una
Smutty Alberta Winter.....	34	4.789	una
Rejected Alberta Winter.....	16	2.253	una
Sample Alberta Winter.....	2	0.282	una
Total Alberta Winter Wheats.....	710	100.000	una
Total All Wheats.....	184,945	100.000	una

The Grades of Oats are as follows:—

	Cars	Percentages
Canada Western.....	1	0.003
Canada Western.....	169	0.467
Canada 3 Canada Western.....	1,555	4.296
Canada Western.....	5,364	14.821
Canada 1 Feed.....	5,777	15.962
ed.....	10,071	27.830
ed.....	1,216	3.359
ed.....	210	0.580
ed Feed Oats.....	16	0.044
Selected Oats.....	123	0.339
ple.....	160	0.442
gh.....	10,151	28.049
ip.....	1,378	3.808
Total Oats.....	36,191	100.000

The Grades of Barley are as follows:—

Canada Western Six Row.....	693	1.822
Canada Western Six Row.....	6,703	17.620
Canada Western Six Row.....	830	2.182
Canada Western Two Row.....	37	0.097
Canada Western Two Row.....	320	0.840
Canada Western Yellow.....	1	0.003
Canada Western Yellow.....	19	0.049
ed.....	7,084	18.622
ed.....	4,948	13.007
ed.....	2,639	6.936
cted.....	86	0.226
ple.....	45	0.121
gh.....	10,276	27.012
ip.....	4,361	11.463
Total Barley.....	38,042	100.000

The Grades of Flax are as follows:—

Canada Western.....	571	28.810
Canada Western.....	112	5.651
Canada Western.....	109	5.449
Canada Western.....	21	1.059
ple.....	10	0.505
gh.....	883	44.551
ip.....	276	13.925
Total Flax.....	1,982	100.000

The Grades of Rye are as follows:—

Canada Western.....	3	0.063
Canada Western.....	1,778	37.197
Canada Western.....	1,424	29.791
Canada Western.....	303	6.339
ry Rye.....	366	7.656
ted.....	22	0.460
gh.....	794	16.611
ip.....	85	1.778
le.....	5	0.105
Total Rye.....	4,780	100.000

The Grades of Mixed Grain are as follows:—

	Cars	Per cent
No. 1 Mixed Grain.....	38	13 C
No. 2 Mixed Grain.....	41	15 C
No. 3 Mixed Grain.....	68	24
No. 4 Mixed Grain.....	18	6
Tough.....	49	17
Damp.....	37	13
Smutty.....	1	0
Sample.....	14	5 L
Rejected.....	7	2 C
Total Mixed Grain.....	273	100 L

The Grades of Corn are as follows:—

	Cars	Per cent
No. 1 Canada Western Yellow.....	1	2 C
No. 2 Canada Western Yellow.....	4	9 C
No. 3 Canada Western Yellow.....	5	11
No. 4 Canada Western Yellow.....	2	4
No. 5 Canada Western Yellow.....	6	14
Tough.....	1	2
Sample.....	23	54
Total Corn.....	42	100 L
Buckwheat.....	16	G
Screenings.....	232	G
Peas.....	23	D
Total.....	266,526	D

THE NUMBER OF CARS OF GRAIN INSPECTED AT THE VARIOUS POINTS DURING THE CROP YEAR AUGUST 1, 1950 TO JULY 31, 1951

Point	Cars	Percent
Winnipeg.....	194,526	73 L
Calgary.....	27,640	10 G
Moose Jaw.....	6,706	10 G
Saskatoon.....	8,665	Do
Medicine Hat.....	3,410	Do
Lethbridge.....	34	0
Vancouver.....	2,968	1
Edmonton.....	18,573	1
Churchill.....	4,004	1
Total.....	266,526	100 Ca Ca

NUMBER OF TWO POUND SAMPLES SUBJECT TO GRADE AND DOCKAGE GRADED BY INSPECTION BRANCH CROP YEAR 1950-51

Point	For Licensees	For Non Licensees	Total Grade
Winnipeg.....	3,544	20,603	Do
Calgary.....	866	210	2 Do
Edmonton.....	479	256	Do
Lethbridge.....	582	108	Do
Medicine Hat.....	27	38	Do
Saskatoon.....	54	41	Do
Moose Jaw.....	150	65	Do
Total.....	5,702	21,321	Car

SUMMARY OF CARS RE-INSPECTED 1950-51

		Winnipeg		Calgary		
		194,526	37,650	27,640	4,009	
		Percentage of		Percentage of		
Re-inspections	Cars	Rein-spections	Total Cars Inspected	Cars	Rein-spections	
					Total Cars Inspected	
Left as Graded.....	21,969	58.35	11.29	1,493	37.24	5.40
Grades Raised.....	7,575	20.12	3.90	1,406	35.07	5.09
Grades Lowered.....	772	2.05	0.40	56	1.40	0.20
Dockage Raised.....	998	2.65	0.51	269	6.71	0.98
Dockage Lowered.....	6,336	16.83	3.26	785	19.58	2.84
Total.....	37,650	100.00	19.36	4,009	100.00	14.51
Edmonton						
Cars inspected.....	18,573	Percentage of		Saskatoon		
Cars re-inspected.....	5,449	29.34%		8,665	511	
Re-inspections	Cars	Rein-spections	Total Cars Inspected	Cars	Rein-spections	
					Total Cars Inspected	
Left as Graded.....	2,297	42.15	12.36	489	95.69	5.64
Grades Raised.....	1,163	21.34	6.26	21	4.11	0.24
Grades Lowered.....	58	1.07	0.32	.....	.....	.....
Dockage Raised.....	228	4.18	1.23	1	0.20	.01
Dockage Lowered.....	1,703	31.26	9.17	511	100.00	5.89
Total.....	5,449	100.00	29.34			
Moose Jaw						
Cars inspected.....	6,706	Percentage of		Medicine Hat		
Cars re-inspected.....	371	5.53%		3,410	10	
Re-inspections	Cars	Rein-spections	Total Cars Inspected	Cars	Rein-spections	
					Total Cars Inspected	
Left as Graded.....	337	90.84	5.02	6	60.00	0.17
Grades Raised.....	32	8.62	0.48	1	10.00	0.03
Grades Lowered.....	.....	.....	.....	.....	.....	.....
Dockage Raised.....	.....	.....	.....	.....	.....	.....
Dockage Lowered.....	2	0.54	0.03	3	30.00	0.09
Total.....	371	100.00	5.53	10	100.00	0.29
Lethbridge						
Cars inspected.....	34	Percentage of		Vancouver		
Cars re-inspected.....	Nil	2,968		2,968	68	
Re-Inspections	Cars	Rein-spections	Total Cars Inspected	Cars	Rein-spections	
					Total Cars Inspected	
Left as Graded.....	.....	.....	.....	53	77.94	1.79
Grades Raised.....	.....	.....	.....	12	17.65	0.40
Grades Lowered.....	.....	.....	.....	3	4.41	0.10
Dockage Raised.....	.....	.....	.....	.....	.....	.....
Dockage Lowered.....	.....	.....	.....	.....	.....	.....
Total.....	.....	.....	.....	68	100.00	2.29
Churchill						
Cars inspected.....	.....	.....	.....	4,004	Nil	.....
Cars re-inspected.....	.....	.....	.....	.....	.....	.....

RECAPITULATION OF RE-INSPECTIONS

Total cars inspected.....	226,526	18.04
Total Cars re-inspected.....	48,068	
		Percentage of
	Cars	Rein- spections
Left as Graded.....	26,644	55.43
Grades Raised.....	10,210	21.24
Grades Lowered.....	889	1.85
Dockage Raised.....	1,495	3.11
Dockage Lowered.....	8,830	18.37

SUMMARY OF CARS APPEALED

	Winnipeg		Edmonton		Calgary		Total	
	Cars	Percent	Cars	Percent	Cars	Percent	Cars	Percent
Left as Graded.....	596	91.69	235	87.04	423	84.43	1,254	88.11
Grades Raised.....	54	8.31	35	12.96	78	15.57	167	11.89
Grades Lowered.....								
Dockage Raised.....								
Dockage Lowered.....								
Total.....	650	100.00	270	100.00	501	100.00	1,421	100.00

PERCENTAGE OF APPEALS TO TOTAL INSPECTIONS

	Cars	Percent
Total Inspections.....	266,526	
Total Appeals.....	1,421	
Total Grades Changed.....	167	

GRAIN INSPECTED AND SHIPPED BY VESSEL AUGUST 1, 1950 TO JULY 31, 1951

	Fort William and Port Arthur	Vancouver	Churchill
		bushels	bushels
Wheat.....	142,493,638	64,789,215	6,767
Oats.....	45,195,407	545,211	
Barley.....	34,819,611	2,682,977	
Flaxseed.....	3,649,581	463,926	
Rye.....	9,644,157		
Screenings.....	1,762,885	3,333	
Mixed Grain.....	166,144		
Barley U.S.A.....		2,173,963	

GRAIN COMMISSION

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	Winnipeg	Calgary	Edmonton	Moose Jaw	Saskatoon	Lethbridge	Vancouver	Fort William and Port Arthur	Churchill	Medicine Hat
Wheat.....	297	132	227	626	419	32	1,430	9,462	1	.....
Oats.....	1,087	48	149	76	48	6	628	10,372	9	.....
Barley.....	822	136	61	14	67	9	142	7,575	.....	.....
Flax.....	38	.....	.....	1	.....	.....	.....	594	.....	.....
Rye.....	17	.....	.....	2	14	.....	10	208	2	.....
Mixed Grain.....	72	216	.....	69	4	.....	15	211	.....	.....
Corn.....	4	.....	.....	.....	.....	.....	.....	.....	.....	.....
Screenings.....	487	352	7	212	486	.....	1,072	2,953	105	13
Peas.....	8	.....	.....	.....	.....	.....	.....	.....	.....	.....
Buckwheat.....	.....	.....	.....	.....	.....	.....	11	.....	.....	.....
Mixed Feed Oats.....	.....	.....	.....	.....	.....	.....	14	.....	.....	.....
Corn (U.S.A.).....	.....	.....	.....	.....	.....	.....	3	.....	.....	.....
Total.....	2,832	884	444	1,000	1,044	41	3,297	31,403	117	13

EASTERN DIVISION

SUMMARIZED STATEMENT, AUGUST 1, 1950 TO JULY 31, 1951

TOTAL INSPECTIONS

Carloads—

Grain grown in the Eastern Division:	Cars
At Montreal.....	394
At Toronto.....	1,944
At Chatham.....	7,956
	10,2

Cargoes—

Grain grown in the Eastern Division:	Bushels
At Montreal.....	1,870,780
At Toronto.....	142,776
At Chatham.....	843,796
	2,857,3

Cargoes—

Grain grown in the Western Division:	Bushels
At Montreal.....	49,108
	49,1

Cargoes—

Grain grown in the United States:	Bushels
At Montreal.....	409,980
	409,9

Bin Inspection—

Grain grown in the Eastern Division:	Bushels
At Montreal.....	1,190,461
At Chatham.....	3,000
	1,193,4

Bin Inspection—

Grain grown in the Western Division:	Bushels
At Montreal.....	3,882
	3,8

GRAIN SAMPLED BUT NOT INSPECTED (FEES) AUGUST 1, 1950 TO JULY 31, 1951

Carloads	Montreal	Toronto	Chath
Western Grain.....	204	1	...
Eastern Grain.....	27	6	...
American Grain.....	1	.....	t 1
Argentine Grain.....	41	.....	.....
Total.....	273	7	...

Cargoes—

Grain grown in Eastern Division:	Bushels
At Montreal.....	161,425
At Chatham.....	1,238,647

Cargoes—

Grain grown in Western Division:	
At Montreal.....	750,967
At Chatham.....	242,258

Cargoes—

Grain grown in United States:	
At Montreal.....	4,677,790

GRAIN COMMISSION

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SUMMARIZED STATEMENT, AUGUST 1, 1950 TO JULY 31, 1951

GRAIN SAMPLED BUT NOT INSPECTED (FEES) AUGUST 1, 1950 TO JULY 31, 1951

Argoës—

Grain grown in Argentina:

At Montreal.....	1,104,320	1,104,320
		<u>8,175,407</u>

in Sampling—

Grain grown in Eastern Division:

At Montreal.....	207,085	207,085
------------------	---------	---------

,2

in Sampling:

Grain grown in Western Division:

At Montreal.....	4,707	
At Chatham.....	87,065	<u>91,772</u>

,3

in Sampling—

Grain grown in United States:

At Chatham.....	303,333	303,333
		<u>602,190</u>

,10

GRAIN SAMPLED BUT NOT INSPECTED (NO FEES) AUGUST 1, 1950 TO JULY 31, 1951

Argoës—

Western Grain (Export).....	Bushels	Bushels
Western Grain (Export in bags).....	105,659,636	
Western Grain (Inward).....	1,258,452	

	33,490,075	<u>140,408,163</u>
--	------------	--------------------

Argoës—

Eastern Grain (Export).....	1,725,770	
Eastern Grain (Export in bags).....	19,351	

Eastern Grain (Inwards).....	741,014	<u>2,486,135</u>
------------------------------	---------	------------------

Argoës—

American Grain (Export).....	9,607,665	
American Grain (Bagging).....	3,928	

American Grain (Inwards).....	11,749,834	<u>21,361,427</u>
-------------------------------	------------	-------------------

Argoës—

Argentina Grain (Export).....	696,700	
Argentina Grain (Inwards).....	269,105	<u>965,805</u>

Argoës—

Total.....		165,221,530
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SUMMARIZED STATEMENT, AUGUST 1, 1950 TO JULY 31, 1951

RECAPITULATION BY POINTS

Montreal—

Export.....	Bushels	Bushels
Export (in bags).....	69,234,940	
Inwards.....	769,018	

46,250,028	<u>116,253,986</u>
------------	--------------------

Sorel—

Export.....	10,636,293	
-------------	------------	--

Three Rivers—

Export.....	10,641,869	
-------------	------------	--

	<u>10,641,869</u>
--	-------------------

Quebec—

Export.....	11,715,227	
Export (in bags).....	40,751	<u>11,755,978</u>

	<u>11,755,978</u>
--	-------------------

Halifax—

Export.....	5,572,827	
-------------	-----------	--

	<u>5,572,827</u>
--	------------------

West St. John—

Export.....	9,888,615	
Export (in bags).....	471,962	<u>10,360,577</u>

	<u>10,360,577</u>
--	-------------------

Total Bushels.....		165,221,530
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GRADES OF CARLOADS INSPECTED

	Montreal	Toronto	Chatham	Total
<i>Wheat—</i>				
1 C.E. Red Winter			1	
2 C.E. Red Winter			6	
1 C.E. White Winter	8	4	98	
2 C.E. White Winter	92	263	310	
3 C.E. White Winter	19	127	26	
4 C.E. White Winter	1	32	3	
5 C.E. White Winter	1	8	3	
1 C.E. Mixed Winter	10	4	493	
2 C.E. Mixed Winter	50	248	604	
3 C.E. Mixed Winter	7	9	26	
4 C.E. Mixed Winter		1	2	
6 C.E. Winter		6	1	
Tough	39	322	1,409	1,770
Damp			8	
Smutty	2	57	49	
Sample	3	24	4	
<i>Oats—</i>				
1 C.E. White		4	1	
3 C.E.	1	1		
4 C.E.		1		
Mixed Feed	2	29		
Mixed Feed and Cinders		1		
Tough	2	6		
<i>Barley—</i>				
2 C.E. 6 Row			1	
3 C.E. 6 Row		3	4	
1 Feed	1			
2 Feed	69			
3 Feed	33	123		
Barley and Broken Barley	6			
Sample	1			
Tough		2	3	
<i>Rye—</i>				
1 C.E.			5	
2 C.E.		15	10	
3 C.E.		2	2	
4 C.E.			1	
Tough		8	61	
Damp		1	5	
<i>Mixed Grain—</i>				
Sample	1			
<i>Buckwheat—</i>				
2 C.E.		8	1	
3 C.E.	1			
Tough	4	1	8	
Damp	13	8	10	
<i>Corn—</i>				
Extra Dry 1 C.E. Yellow		1	85	
1 C.E. Yellow			300	
Extra Dry 2 C.E. Yellow		1	180	
2 C.E. Yellow		29	544	
Extra Dry 3 C.E. Yellow		1	164	
3 C.E. Yellow		4	360	
Extra Dry 4 C.E. Yellow			37	
4 C.E. Yellow	1		101	
Extra Dry 5 C.E. Yellow			7	
5 C.E. Yellow			30	
Extra Dry 1 C.E. White			5	
1 C.E. White			2	
Extra Dry 2 C.E. White			3	
2 C.E. White			2	
1 C.E. Mixed			4	
Extra Dry 2 C.E. Mixed			2	
2 C.E. Mixed			3	
3 C.E. Mixed			1	
Tough			287	
Damp		1	166	
Moist		1	515	
Wet		6	503	
Sample	1		3	

GRADES OF CARLOADS INSPECTED—Concluded

	Montreal	Toronto	Chatham	Total
<i>Beans—</i>				
1 C.E. Pea Beans.		17		17
2 C.E. Pea Beans.		44		44
3 C.E. Pea Beans.		14		14
4 C.E. Pea Beans.		21		21
3 C.E. Yelloweyes.		2		2
4 C.E. Light Red Kidney Beans.		1		1
Tough.		168		168
Damp.		10		10
Sample.		4		4
<i>Soybeans—</i>				
1 C.E. Yellow.	275	454		729
2 Can. Yellow.	28	12		40
3 Can. Yellow.	3	1		4
Tough.	3	183	561	747
Damp.	4	23	128	155
Moist.		8	40	48
Wet.		3	20	23
<i>Flaxseed—</i>				
1 C.E.		7		7
2 C.E.		20		20
3 C.E.		8		8
4 C.E.		2		2
Tough.	14	18		32
Damp.	5	2		7
<i>Screenings—</i>				
Refuse.		1		1
Uncleaned.		1		1
Totals.	394	1,944	7,956	10,294

APPENDIX No. 7

FORT WILLIAM, Ontario

January 2, 1952

Mr. A. T. Calder,
 Secretary,
 Board of Grain Commissioners,
 Winnipeg, Manitoba.

DEAR SIR:—

I have the honour to submit herewith the following report of the Gr^v
 Weighing Branch of the Board for the crop year 1950-51.

In the Western Division this Branch of the Board supplied weighing service¹ at all Public Terminal, Semi-Public Terminal and Private Terminal Elevators¹ licensed by the Board for the purpose of weighing all grain received into a¹ shippe¹ out of these elevators, as required under Sections 91 and 123 of the A^{ei} Plants operating under Mill Elevator licenses were also supplied with weigh¹ services when required to comply with the Act. For the benefit of the Trade^{an} in the Eastern Division, weighing services were available at elevators licensed to Eastern Elevators on a fees basis at the following ports; Port McNicoll, Midla^{it} Owen Sound, Goderich, Toronto and Sarnia.

The Fall of 1950 was reported to have been one of the wettest on record and^{av} very large quantities of tough and damp grain was dried in Terminal Elevators¹ and the equipment for weighing, receiving, shipping and transferring grain w¹ more-or-less in continuous use day and night. However, officers of this Branch¹ made regular inspections and this equipment was maintained in good condit¹ throughout the year. The inspection of scales in the elevators in the Wester¹ Division at Fort William and Port Arthur; the Canadian Government Inter¹ Elevators at Moose Jaw, Saskatoon, Edmonton, Calgary and Lethbridge and¹ the National Harbours Board Elevator at Port Churchill and those elevators at¹ the Pacific Coast delivering grain to vessels on tidal waters were inspected tw¹ during the year. The annual inspection of scales has been carried out¹ in accordance with the Weights and Measures Act and Regulations and certifica¹ of verification issued. The semi-annual inspection was made on behalf of¹ the Board to ensure the continued accuracy of the scales. As in former ye¹ special inspections of scales were conducted whenever thought necessary and¹ at request of terminal elevator managers. The annual inspections of scales¹ at elevators licensed as Eastern Elevators at the following points were carried ou¹ in accordance with the Weights and Measures Act: Port McNicoll, Tiffin, Midla^W Collingwood, Owen Sound, Goderich, Sarnia, Walkerville, Port Colbor^{ap} Humberstone, Toronto, Kingston, Prescott, Montreal, Sorel, Three Riv² Quebec, Saint John and Halifax. The inspections of the above scales w¹ carried out by the Assistant Chief Weighmaster and myself. 5

Fewer complaints were received than in previous years on the outturns¹ cars unloaded into Terminal Elevators, due chiefly I think to the better equ¹ ment being used by the railways in this traffic and that more attention is be¹ paid to the proper installation of grain doors. There is still room for impro¹ ment as there are too many cars arriving at Terminal Elevators reported leak¹ at grain doors. Complaints received were thoroughly investigated and in¹ the majority of cases it was found that cars had been reported leaking.

During the crop year there were 1,458 cargoes loaded at the Lakehead⁴¹⁷ 417 cargoes at Vancouver and 20 cargoes at Churchill. Enclosed is statem¹ showing the average reported shortage of pounds per 1,000 bushels on ve¹ shipments loaded at Fort William and Port Arthur during the crop year 1950-

and unloaded at Canadian and American Ports. It is gratifying to note that there is a considerable reduction in the loss of pounds per 1,000 bushels of grain unloaded at Canadian Ports, but unfortunately there is an increase in the loss 52 pounds per 1000 bushels of grain unloaded at American Ports, but there still quite a reduction in the loss per 1,000 bushels shown in the grand totals. Complaints received on the outturns of cargoes have been thoroughly investigated and reports submitted to the Board. However, there are some complaints still under investigation and reports will be forwarded to the Board when these investigations are completed. Thirteen complaints were received on overseas shipments loaded at Lower St. Lawrence Ports and four complaints were received 1 on overseas shipments loaded at Pacific Coast Ports. These were thoroughly investigated and reports submitted to the Board. Satisfactory settlements are being effected on some of the complaints on parcels of grain loaded at Lower St. Lawrence Ports.

The annual audits of grain in store in licensed elevators in the Eastern and Western Divisions were carried out as far as possible. All elevators licensed as Eastern Elevators were weighed over during the crop year, but the weighovers of several terminal elevators in the Western Division had to be postponed and were not weighed over during the time limit specified by the Canada Grain Act. Order-in-Council P.C. 5122 was passed to give the Board authority to defer the weighover at any terminal elevator until such time as such weighover is possible or practical, having regard to transportation difficulties. It might say that some improvement has taken place and that several audits have been conducted when possible since the passing of the above order-in-council. The total quantities of grain weighed over in Public Terminal and Semi-Public Terminal Elevators and the first four grades of Wheat, and the grades of 1 and 2 Canada Western Garnet Wheat, as specified in Schedule I of the Act amounted to 22,093,405-00 Bushels. The total amount of all grain weighed in the Eastern Division was 20,756,609-00 Bushels.

Statements of the correct quantities of the various grades in store in each of the above elevators weighed over were prepared by this Branch and forwarded to the Board to permit of the adjustments of outstanding warehouse receipts in Public and Semi-Public Terminal Elevators; and the establishment of overages at Terminal Elevators and Eastern Elevators; in accordance with the provisions of Section 138 and 138A of the Canada Grain Act.

It has been very difficult throughout the year to secure suitable help for placements and at busy periods. In competitions for Grain Trackmen, applications have been few and the caliber of the applicants on the whole has not been very high. Several of the men we have engaged have resigned after a few months, the reason given that the salary was insufficient. Most of these employees resigned to accept positions with Terminal Elevator Companies at more attractive salaries.

It is with regret that we record the deaths of Mr. H. J. Chenier, Nov. 22, 1951; Mr. C. Moore, April 13, 1951; Mr. J. S. Robertson, January 3, 1951 and Mr. J. McCulloch, December 2, 1950.

The following employees of this Branch retired on the dates effective below:

H. Reimer	Grain Weighman	Medicine Hat	May 16/51, 21 years service
C. Gilliam	Grain Weighman	Fort William	June 3/51, 30 years service
A. Herd	Grain Trackman	Fort William	Dec. 1/50, 22 years service
Carruthers	Grain Weighmaster	Vancouver	Mar. 23/51, 28 years service
S. Barnett	Grain Trackman	Vancouver	Feb. 5/51, 22 years service

Respectfully submitted,

S. M. CAPON,
Chief Weighmaster.

GROSS HANDLINGS OF ALL GRAINS, WEST OF FORT WILLIAM-PORT ARTHUR
DURING CROP YEAR 1950-51

RECEIPTS

Point	Wheat	Oats	Barley	Rye	Flax-seed	Canadian Corn	U.S.A. Wheat	U.S.A. Barley	U.S.A. Corn	Can- Mis- lan- har- at- ar- ye Han- J.S. fix- am an 11 48 18 11,97 T
	bus.	bus.	bus.	bus.	bus.	bus.	bus.	bus.	bus.	Can- Mis- lan- har- at- ar- ye Han- J.S. fix- am an 11 48 18 11,97 T
Vancouver and New Westminster.....	60,891,441	1,283,924	3,336,002	8,298	464,477	.....	.....	2,345,808	102,421	5,411,541
Victoria.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Prince Rupert.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Churchill.....	6,956,686	.....	.....	.....	.....	.....	.....	.....	.....	.....
Calgary.....	680,930	20,164	1,517,382	40,869	.....	.....	.....	.....	.....	14,016
Edmonton.....	1,420,247	224,105	65,264	.....	1,707	.....	.....	.....	.....	7,122
Lethbridge.....	64,295	.....	16,333	.....	.....	.....	.....	.....	.....	.....
Moose Jaw.....	4,570,229	4,429	3,339	.....	3,079	.....	.....	.....	.....	48
Saskatoon.....	4,797,029	4,265	1,378	.....	91,034	.....	.....	.....	.....	18
North Transcona.....	182,317	60,027	29,819	15,450	4,234	.....	.....	2,749	.....	11,97
	79,563,174	1,596,914	4,969,517	64,617	564,531	.....	.....	2,749	2,345,808	123,559
										18,18

SHIPMENTS

Vancouver and New Westminster.....	68,150,230	2,029,218	2,946,637	11,685	464,448	.....	.....	2,173,963	3,214	80,28
Victoria.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Prince Rupert.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	7,08
Churchill.....	6,769,239	19,979	.....	.....	.....	.....	.....	.....	.....	.....
Calgary.....	342,705	20,770	1,640,105	49,512	.....	.....	.....	.....	.....	13,984
Edmonton.....	360,760	208,668	47,326	.....	1,276	.....	729	.....	.....	6,828
Lethbridge.....	62,399	.....	16,125	.....	.....	.....	.....	.....	.....	9
Moose Jaw.....	240,927	3,830	3,339	.....	1,765	.....	.....	.....	.....	9,65
Saskatoon.....	138,073	4,019	.....	.....	91,035	.....	.....	.....	.....	7,48
North Transcona.....	181,546	87,202	27,273	15,450	3,059	.....	.....	2,749	.....	3,88
	76,245,879	2,373,686	4,680,805	76,647	561,583	.....	729	2,749	2,173,963	24,026
										111,6

Following are the quantities of the various grains which were weighed into and out of elevators at the following points in the Western Division during the crop year ending July 31st, 1951.

FORT WILLIAM—PORT ARTHUR

RECEIPTS

Grain	Receipts from West	Transfer Receipts		Total
		Rail	Vessel	
	gross bus.	gross bus.	gross bus.	gross bus.
Wheat.....	179,996,956	641,443	2,888	180,64
Oats.....	75,006,479	565,335	7,115	75,55
Barley.....	58,824,060	1,000,302	13,382	59,53
Rye.....	7,979,475	267,343	703,868	8,98
Flaxseed.....	2,669,019	23,542	.....	2,68
Canadian Western Corn.....	807	.....	.....	.....
Canadian Western Buckwheat.....	19,687	.....	.....	1
U.S.A. Wheat.....	560,118	.....	.....	560
U.S.A. Corn.....	14,105	.....	.....	14
Mixed Grain ¹	452,645	29,575	.....	452
Sample Grain ²	188,367	17,557	.....	205
All Screenings ³	575,607	141,143	.....	717
Grand Total.....	.....	.....	.....	229,70

¹ Mixed Grain in bus. of 50 pounds.² Sample Grain in bus. of 50 pounds.³ Screenings in bus. of 48 pounds.

FORT WILLIAM—PORT ARTHUR—Concluded
SHIPMENTS

Grain	Vessel	Rail	Transfer Shipments		Total
			Rail	Vessel	
Cans	gross bus.	gross bus.	gross bus.	gross bus.	gross bus.
Mis					
langheat.....	142,012,909	15,517,833	646,627	2,888	158,180,257
ats.....	45,194,682	22,161,322	571,506	7,115	67,934,625
arley.....	34,806,199	13,318,870	1,008,448	13,418	49,146,935
ye.....	8,939,236	59,370	273,210	704,921	9,976,737
laxseed.....	3,649,580	1,007,867	24,054	.....	4,681,501
anadian Western Corn.....					
anadian Western Buckwheat.....		19,858	.....		19,858
44 U.S.A. Wheat.....	477,640	25,404	.....		477,640
J.S.A. Corn.....	154,545	238,676	27,773	.....	25,404
ixed Grain ¹	11,600	149,402	17,585	.....	420,994
ample Grain ²		21,176	.....		178,587
ixed Feed Oats Groats ³		2,182,362	4,350,768	137,859	21,176
ll Screenings ⁴					6,670,989
Grand Total.....					197,734,703

* Mixed Feed Oats Groats in bushels of 34 pounds. (See also foot notes 1, 2 and 4, page 48).

TOTAL CARS WEIGHED AT INTERIOR POINTS OTHER THAN GOVERNMENT ELEVATORS, CROP YEAR 1950-1951

Kewatin.....	.....	6,226
Winnipeg.....	.....	12,692
Saskatoon.....	.....	6,969
Moose Jaw.....	.....	4,949
Calgary.....	.....	7,237
Edmonton.....	.....	856
Medicine Hat.....	.....	3,761
Lethbridge.....	.....	22
Churchill.....	.....	4,116
Total.....	.....	46,828

REPORT OF CARS ARRIVING AT DESTINATION, LEAKING, NOT PROTECTED BY SEALS, AND WITH DEFECTIVE SEALS, CROP YEAR 1950-1951

CANADIAN PACIFIC RAILWAY

	Leaking Cars	Missing Seals	Defective Seals
Lakehead Elevators.....	18,206	1,494	277
Elevators, excluding Lakehead.....	6,747	712	504
Total.....	24,953	2,206	781

CANADIAN NATIONAL RAILWAY

	Leaking Cars	Missing Seals	Defective Seals
Lakehead Elevators.....	13,939	926	182
Elevators, excluding Lakehead.....	4,722	389	230
Total.....	18,661	1,315	412
Total both roads.....	43,614	3,521	1,193

CARS REPORTED LEAKING AND WITH MISSING AND DEFECTIVE SEALS IN WINNIPEG RAILWAY YARDS

	Leaking Cars	Missing and Defective Seals
P.R. Yards.....	4,775	1,216
N.R. Yards.....	1,901	821
Total.....	6,676	2,037

REPORT OF TOTAL NUMBER OF CARS OF GRAIN WEIGHED AT ALL POINTS, AND
ALSO THE PERCENTAGE OF SUCH CARS FOUND TO BE LEAKING OR
WITH DEFECTIVE SEALS, CROP YEAR 1950-1951

Total number of Cars Weighed.....	311,627
Total Number of Cars Leaking.....	37,928
Percentage of Cars Leaking.....	12.170%
Total Number of Cars with Missing and Defective Seals.....	6,751
Percentage of Cars with Missing and Defective Seals.....	2.166%

REPORT OF THE AVERAGE REPORTED SHORTAGES OF POUNDS PER 1,000 BUSHELS
ON THE VARIOUS GRAINS LOADED AT FORT WILLIAM AND PORT ARTHUR AND
UNLOADED CANADIAN AND AMERICAN PORTS

CANADIAN PORTS

Grain	Bushels	Pounds per 1,000 Bushels
Wheat.....	109,930,901-40	Short 35.40
Durum Wheat.....	11,683,509-30	Short 31.64
Oats.....	24,156,449-33	Short 20.49
Barley.....	24,889,152-04	Short 26.96
Rye.....	2,993,086-22	Short 39.25
Flaxseed.....	3,630,491-38	Short 23.90
Mixed Grain.....	1,064,690 lbs.	Short 0.611 lbs. per 1,000
Sample Grain.....	32,086,333 lbs.	Short 0.351 lbs. per 1,000
Screenings.....	5,619-1,700	Short 2.077 lbs. per ton

AMERICAN PORTS

Grain	Bushels	Pounds per 1,000 Bushels
Wheat.....	19,407,733-50	Short 55.64
Durum Wheat.....	567,300-00	Short 61.55
Oats.....	20,908,351-29	Short 23.60
Barley.....	9,587,402-38	Short 65.78
Rye.....	5,878,722-15	Short 75.58
Screenings.....	47,365-1210	Even

GRAND TOTALS—GRAIN SHIPPED

Grain	Bushels	Pounds per 1,000 Bushels
Wheat.....	129,457,224-50	Short 38.44
Durum Wheat.....	12,250,809-30	Short 33.02
Oats.....	45,064,801-28	Short 21.93
Barley.....	34,476,554-42	Short 37.76
Rye.....	8,871,808-37	Short 63.32
Flaxseed.....	3,630,491-38	Short 23.90
Mixed Grain.....	1,064,690 lbs.	Short 0.611 lbs. per 1,000
Sample Grain.....	32,086,333 lbs.	Short 0.351 lbs. per 1,000
Screenings.....	52,985-0910	Short 0.220 lbs. per ton
U.S.A. Wheat to U.S.A. Ports.....	534,617-50	Short 21.75

SHIPMENTS—EUROPE DIRECT

Wheat.....	118,589-20	(No reports of outturn received. These figures included in Bill of Lading totals used in calculating average shortage per 1,000 bushels.)
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APPENDIX No. 8

FORT WILLIAM, Ont.,

January 9, 1952.

Mr. A. T. Calder, Secretary,
Board of Grain Commissioners,
Winnipeg, Man.

I have the honour to submit the following report for the Statistics Branch
for the 1950-51 Crop Year.

Canada's 1951 Wheat crop is currently estimated by the Dominion Bureau
of Statistics at 562 million bushels. This production is more than 100 millions
greater than the 1950 outturn and is second in size only to the record 567 million
bushels harvested in 1928.

Adverse weather conditions prevailed during almost the entire harvesting
season and early snowfall forced farmers to leave a substantial percentage of the
crop in the fields. The above estimate is based on actual harvesting operations
up to the end of October, 1951, and is therefore conditional on the unthreshed
portion of the crop wintering in reasonably good condition and being harvested
without significant loss.

Outturns for the principal coarse grains and Flaxseed in 1951 were all well
above 1950 harvest levels indicated in brackets:—Oats 493.3 (419.9), Barley
52.9 (171.4), Rye 18.0 (13.3) and Flaxseed 9.2 (4.7) million bushels. Average
production of these grains over the past ten years is recorded at:—Oats 406
millions, Barley 168 millions, Rye 12.9 millions and Flaxseed 9.9 million bushels.

Year-end stocks as of July 31st, 1951, were estimated as follows, with
1950 quantities shown in brackets: Wheat 186.4 (112.2), Oats 93.2 (44.9),
Barley 52.7 (20.4), Rye 3.4 (6.4) and Flaxseed 1.2 (4.5) million bushels.

The following quantities of grain were disposed of during the year and were
either consumed on Canadian farms, sold in the domestic market or exported to
other countries—Wheat 387.4, Oats 371.6, Barley 139.0, Rye 16.4 and Flaxseed
1.0 million bushels.

Detailed statistical tables on production, distribution and carry-over are
 appended to this report.

FARM DELIVERIES

During the 1950-51 crop season a total of 367.5 million bushels of Wheat
were marketed from western farms. Deliveries in the crop year 1949-50 amounted
to 319.6 millions and a previous 5-year average is recorded at 286.4 million
bushels.

WESTERN FARM WHEAT DELIVERIES—SEASON 1950-51

	Manitoba	Saskat- chewan	Alberta and British Columbia	Total Deliveries		
				1950-51	1949-50	5-year Average 1945-46 to 1949-50
Delivered to:	net bu.	net bu.	net bu.	net bu.	net bu.	net bu.
Country Elevators.....	41,336,419	222,333,428	99,190,735	362,860,582	316,865,726	283,534,659
Interior Private and Mill Elevators.....	355,349	2,140,717	1,478,790	3,974,856	2,309,508	2,430,960
Interior Terminal Elevators (Street Receipts).....	2,376	183	107,491	110,050	12,257	11,299
Loaded over Platforms.....	164,619	198,207	91,556	454,382	359,582	425,764
From farms direct to U.S.A. by truck ¹	15,600	37,813	450	53,863	23,617	12,625
Total.....	41,874,363	224,710,348	100,869,022	367,453,733	319,570,690	286,415,307
Production (Gross).....	50,000,000	260,000,000	119,418,000	429,418,000 ²	344,889,000 ³	343,909,400 ²
Percentage Deliveries to Production ⁴	85.83	88.58	86.57	87.70	95.69	85.56

¹Dominion Bureau of Statistics—Custom Clearance.²Calculated on a net production basis.³Includes production figures for British Columbia.

LAKE TRANSPORTATION

The 1951 season of navigation at the lakehead was opened on April 9th with the arrival of the S.S. Hochelaga. April 29th was the season's opening date last year and March 27th, 1945, is the earliest recorded spring arrival at the Two City ports. The S.S. Hagarty, the last grain boat to leave the lakehead at the close of the 1951 navigation season cleared the harbour on December 15th.

Vessel clearances from Fort William—Port Arthur for the five principal grains totalled 317.2 million bushels. Excluding the war years when storage facilities at the lakehead were substantially expanded, the current season shipments are second only to the 385.1 millions moved down the lakes in 1949.

Cargoes of Wheat included in the above totals amounted to 201.4 million bushels and were 63.7 million bushels higher than 1950 lake shipments.

A substantial portion of the 1951 grain cargoes moved to the United States Lake shipments to U.S. ports totalled 77.3 million bushels as compared with the 39.6 million bushels of principal grains moved from the lakehead to the two points during the 1950 season.

Combined lake and rail shipments from Fort William—Port Arthur terminating during the 1950-51 crop year amounted to 286.6 million bushels and included the following individual amounts for the various principal grains:—Wheat 157.0, Oats 67.4, Barley 48.1, Rye 9.0 and Flaxseed 4.6 million bushels. The total movement is only slightly below the 288.3 million bushels moved eastward by lake and rail during the 1949-50 crop year.

Lake and rail shipments during the first five months of the 1951-52 season were maintained at a high level under the direction of the Transport Control Board and reached a total of 207.9 million bushels as compared with 119.5 million bushels during the same period of 1950.

FREIGHT RATES

Maximum lake freight rates on grain movement from the lakehead for the 1951 season were advanced by the Board under date of February 5, 1951. The increase for wheat ranged from 1c. per bushel on cargoes to Bay Ports to 3.3c. per bushel on shipments to Montreal, Sorel, Three Rivers and Quebec. Wheat cargoes moved at the maximum rates allowable during the season although the additional 2c. per bushel on December cargoes was fully utilized in only a few instances.

WEIGHTED AVERAGE OF LAKE FREIGHT RATES FOR WHEAT CARGOES
SEASON OF NAVIGATION 1951

Fort William—Port Arthur to:	April to November	December	Average for Season 1951	Average for Seas. 1950
	c. per bu.	c. per bu.	c. per bu.	c. per bu.
Georgian Bay Ports.....	5.5	6.650	5.595	4.5
Port Colborne—Humberstone.....	7.5	8.930	7.541	6.0
Toronto.....	8.0	.....	8.0	6.5
Kingston.....	9.0	.....	9.0	7.0
Prescott.....	9.0	.....	9.0	7.25
St. Lawrence Ports Direct.....	16.0	.....	16.0	12.5

Rates on cargoes to United States ports were also above 1950 levels. Charters on Wheat to Buffalo, covering the bulk of the heavier United States movement, ranged from an opening 9c. per bushel (U.S. funds) to a high of 13c. (U.S.) in December. Lakehead to Duluth shipping charges advanced from 5½c. per bushel (U.S. funds) in April to 7c. (U.S.) on several December cargoes. The rates to Chicago were steadier at 10c. and 11c. per bushel (U.S.) throughout the season.

A table showing the average rates for the season on movement to both Canadian and U.S. ports is included in the appendix.

EXPORT CLEARANCES

Export clearances of Canadian Wheat and Wheat Flour for the 1950-51 Crop Year amounted to 240.9 million bushels compared with 225.1 millions reported last year.

The delivery of Canadian Wheat to the United States for domestic consumption or milling in bond in 1950-51 increased sharply to the 20.3 million bushel level from 13.5 million bushels imported into the United States during the previous crop season.

Canadian Wheat Flour exports in 1950-51 comprised a larger portion of the combined Wheat and Wheat Flour shipments. Wheat Flour exports amounted to 55.9 million bushels—Wheat equivalent—compared with 45.7 millions in the 1949-50 season.

Average exports of Canadian Wheat and Wheat Flour during the previous five years—1945-46 to 1949-50 inclusive—were as follows—Wheat 187.7 and Wheat Flour 59.3 million bushels.

The bulk of the ocean Wheat tonnage, about 55.6%, moved from Canadian Atlantic Seaboard Ports. Wheat cargoes at Canadian Pacific ports accounted for 39.3% while the Port of Churchill again exceeded its previously established record with the loading out of 6.7 million bushels to account for 4.1 per cent of the overseas clearance Wheat total. The United States Atlantic ports handled only a negligible percentage (.97%) of the total ocean Wheat traffic.

Further data on Canadian grain exports are contained in tables in the appendix to this report.

INSURANCE

During the Crop Year 1950-51 grain insurance policies covering elevator stocks were filed with this office by public country, semi-public and the eastern elevator licensees, in accordance with provisions of Sec. 102 of the Canada Grain Act 1930, as amended, and related Orders-in-Council and regulations.

These insurance documents were carefully scrutinized to verify that they conformed to policy regulations for the protection of the owners of stored grains.

PRICES

Grain price records for the principal grain markets were maintained in compliance with Section 21 of the Canada Grain Act during the crop season.

A summary of cash grain prices for 1950-51 in table form is appended.

GENERAL

A joint meeting with representatives of the Dominion Bureau of Statistics, the Wheat and Grain Division of the Department, and the Marketing Service of the Department of Agriculture was held in Ottawa in the spring to further correlate Canadian grain statistics published by our respective Branches. Preliminary steps were planned towards the elimination of duplicate publications.

Increased interest in grain statistics, stimulated by the size and nature of the 1950 and 1951 crops, has resulted in a 20% expansion in the distribution of the various publications of this Branch during the past year. It has also given rise to a large number of special requests for additional statistics and reports by both government and private trade offices.

Respectfully submitted,
E. E. BAXTER,
Chief Statistician

CARRY-OVER OF CANADIAN WHEAT—JULY 31, IN BUSHELS

	1951	1950	1949 (B)
	bu.	bu.	bu.
On Farms—Estimated.....	22,259,600	12,389,000	43,428
In Country, Private Terminals and Mill Elevators.....	80,631,227	28,520,704	18,841
In Public and Semi-Public Elevators.....	47,697,901	29,968,821	10,156
In Store and Afloat Eastern Elevators.....	17,760,965	31,419,680	20,735
In Eastern Flour Mills.....	1,676,000	1,602,485	2,764
In Transit Rail—East and West.....	14,393,371	8,298,853	6,422
In Store and In Transit in the United States.....	2,013,104	.....	68
Total.....	186,432,168	112,199,543	102,411

Crops of 1950 and Disposition	Wheat	Oats	Barley	Rye	Flaxseed
	bu.	bu.	bu.	bu.	bu.
Carry-over July 31, 1950.....	112,199,543	44,904,579	20,355,035	6,431,085	4,467
Production—All Canada.....	461,664,000	419,930,000	171,393,000	13,333,000	4,686
Total Available Supply.....	573,863,543	464,834,579	191,748,035	19,764,085	9,153
Total Disposed of.....	387,431,375	371,632,008	138,980,804	16,397,301	7,990
Carry-over July 31, 1951.....	186,432,168	93,202,571	52,767,231	3,366,784	1,162
Total.....	573,863,543	464,834,579	191,748,035	19,764,085	9,153

EXPORTS

1950-51.....	185,039,364	34,717,707	23,075,989	9,367,374	4,131
Wheatflour, Oatmeal, etc., equivalent to.....	55,921,482	679,406	.....	.....	.....
Total.....	240,960,846	35,397,113	23,075,989	9,367,374	4,131
1949-50.....	179,456,880	19,142,629	17,523,406	9,954,111	3,033
Wheatflour, Oatmeal, etc., equivalent to.....	45,679,905	1,403,909	.....	.....	.....
Total.....	225,136,785	20,546,538	17,523,406	9,954,111	3,033

SUMMARY OF PRODUCTION OF GRAIN IN WESTERN CANADA IN 1950, PRIMARY MARKETINGS BY PRODUCERS AND TOTAL INSPECTIONS,
 CROP YEAR 1950-51

	—	Wheat (All Varieties)	Oats	Barley	Rye	Flaxseed
		bu.	bu.	bu.	bu.	bu.
(A) PRODUCTION						
Manitoba.....		50,000,000	70,000,000	55,000,000	1,300,000	2,900,000
Saskatchewan.....		260,000,000	112,000,000	46,000,000	6,200,000	1,000,000
Alberta and British Columbia.....		119,418,000	74,703,000	56,372,000	3,716,000	421,000
Total.....		429,418,000	256,703,000	157,372,000	11,216,000	4,321,000
(B) PRIMARY MARKETINGS— † AT COUNTRY ELEVATORS						
Manitoba.....		41,326,419	29,965,558	35,474,354	961,485	2,216,734
Saskatchewan.....		222,333,428	50,000,450	25,376,554	4,521,171	551,810
Alberta.....		99,190,735	20,553,866	21,678,820	2,010,988	265,542
Total.....		362,860,582	100,519,874	82,529,728	7,493,644	3,034,086
Loaded over Platforms						
Manitoba.....		164,619	144,391	215,651	.....	10,955
Saskatchewan.....		198,207	30,272	13,068	779	29,033
Alberta.....		91,556	135,259	23,596	6,671	.....
Total.....		454,382	309,922	252,315	7,450	39,988
At Interior Public and Semi- Public Terminals						
Manitoba.....		2,376	2,257	13,907	.....	22
Saskatchewan.....		183	.....	.....	.....	.....
Alberta.....		107,491	204,051	51,900	.....	1,375
Total.....		110,050	206,308	65,807	.....	1,397
† At Interior Private and Mill Elevators						
Manitoba.....		355,349	228,628	72,057	.....	151,829
Saskatchewan.....		2,140,717	219,243	115,959	27,382	13,447
Alberta.....		1,478,790	602,577	140,338	7,821	12,354
Total.....		3,974,856	1,050,448	328,354	35,203	177,630
* Trucked from farms into U.S.A.						
Manitoba.....		15,600	604	212	.....	.....
Saskatchewan.....		37,813	777	40	.....	.....
Alberta.....		450	979	247	.....	.....
Total.....		53,863	2,360	499	.....	.....
Total Marketed						
Manitoba.....		41,874,363	30,341,438	35,776,181	961,485	2,379,540
Saskatchewan.....		224,710,348	50,250,742	25,505,621	4,549,332	594,290
Alberta.....		100,869,022	21,496,732	21,894,901	2,025,480	279,271
Total.....		367,453,733	102,088,912	83,176,703	7,536,297	3,253,101
(C) INSPECTIONS						
Manitoba.....		39,658,375	27,503,984	34,242,971	952,379	1,863,450
Saskatchewan.....		181,851,915	46,859,077	23,895,928	4,957,239	901,207
Alberta and British Columbia.....		82,449,783	10,705,638	12,834,552	1,800,842	271,163
Total.....		303,960,073	85,068,699	70,973,451	7,710,460	3,035,820

(A) Production represents gross production estimate by Dominion Bureau of Statistics.

(B) Primary Marketings—Points in Ontario west of Fort William are included in Manitoba figures; country points in the Peace River valley situated in British Columbia are included in Alberta figures.

(C) Inspections—These are compiled according to provinces in which grain was grown on an estimated average net bushel outturn weight per car.

* Customs returns—Dominion Bureau of Statistics.

† Subject to revision.

TOTAL PRIMARY GRAIN HANDLINGS AT EASTERN ELEVATORS 1950-51
CANADIAN GRAIN

—	Wheat	Oats	Barley	Rye	Flaxseed
	bu.	bu.	bu.	bu.	bu.
Receipts.....	137,255,402	26,729,804	24,571,056	3,126,822	4,222, ^{or}
Shipments.....	149,868,758	24,461,397	19,440,874	3,677,218	5,500
	Canadian Corn	Canadian Beans	Canadian Buckwheat	Canadian Peas	Mixed Grain
	bu.	bu.	bu.	bu.	lbs.
Receipts.....	1,665,581	624,503	291,501	.....	728
Shipments.....	1,304,776	612,929	286,115	1,703	1,260

UNITED STATES GRAIN

—	Wheat	Barley	Rye	Flaxseed	Corn
	bu.	bu.	bu.	bu.	bu.
Receipts.....	11,357,015	571,793	123,359	946,573	23,340
Shipments.....	14,344,671	1,281,841	123,247	763,662	24,638

—	Beans
	bu.
Receipts.....	2,084
Shipments.....	2,078

FOREIGN GRAIN (OTHER THAN U.S.A.)

—	Argentine Oats
	bu.
Receipts.....	1,310
Shipments.....	1,803

IMPORTS OF FOREIGN GRAIN FOR CANADIAN DOMESTIC CONSUMPTION
(AMOUNTS MOVED FROM ELEVATORS INTO DOMESTIC CONSUMPTIVE CHANNELS) 1950-51

—	U.S.A. Wheat	U.S.A. Oats	U.S.A. Barley	U.S.A. Rye	U.S.A. Flaxseed
	bu.	bu.	bu.	bu.	bu.
Via Eastern Elevators.....	113	.....	.....	.....	763
Fort William—Port Arthur.....	.....	.....	.....	.....	.....
Interior Terminals.....	.....	.....	.....	.....	.....
Interior Private and Mill Elevators.....	.....	.....	.....	28,518	.....

—	U.S.A. Corn	U.S.A. Beans	Argentine Oats
	bu.	bu.	bu.
Via Eastern Elevators.....	6,148,120	172,252	1,196, ^{or}
Fort William—Port Arthur.....	25,404	.....	.....
Interior Terminals.....	13,983	.....	.....
Interior Private and Mill Elevators.....	570,503	.....	.....

PRIMARY RECEIPTS AND SHIPMENTS OF CANADIAN GRAIN AT TERMINAL ELEVATORS, CROP YEAR 1950-1951

—	Wheat	Oats	Barley	Rye	Flaxseed
—	bu.	bu.	bu.	bu.	bu.
Port William-Port Arthur—					
Receipts.....	175,648,710	74,147,483	57,994,862	7,657,069	2,418,778
Shipments.....	157,532,578	67,356,004	48,121,375	8,997,717	4,565,893
Vancouver-New Westminster—					
Receipts.....	57,469,281	1,215,170	3,173,634	8,117	464,347
Shipments.....	66,476,059	1,981,013	2,833,107	11,685	464,370
Victoria, B.C.—					
Receipts.....					
Shipments.....					
Prince Rupert, B.C.—					
Receipts.....					
Shipments.....					
Churchill, Man.—					
Receipts.....	6,774,365	601			
Shipments.....	6,769,238	19,978			
Emi-Public Terminal at North Transcona, Man.—					
Receipts.....	181,793	59,980	29,648	15,450	3,557
Shipments.....	181,546	87,202	27,273	15,450	3,041

TOTAL NET HANDLINGS OF CANADIAN GRAIN AT CANADIAN GOVERNMENT INTERIOR TERMINAL ELEVATORS

—	Wheat	Oats	Barley	Rye	Flaxseed
—	bu.	bu.	bu.	bu.	bu.
Receipts—					
Calgary.....	661,282	19,905	1,516,541	40,842	
Edmonton.....	1,372,300	222,291	64,915		1,375
Lethbridge.....	62,399		16,139		
Moose Jaw.....	4,430,151	4,429	3,339		1,721
Saskatoon.....	4,649,839	4,218	1,363		90,912
Total.....	11,175,971	250,843	1,602,297	40,842	94,008
Shipments—					
Calgary.....	342,705	20,770	1,640,105	49,512	
Edmonton.....	360,760	208,668	47,326		1,250
Lethbridge.....	62,399		16,125		
Moose Jaw.....	240,927	3,830	3,339		1,721
Saskatoon.....	138,073	4,019			91,031
Total.....	1,144,864	237,287	1,706,895	49,512	94,002

CANADIAN GRAIN HANDLED AT DULUTH-SUPERIOR

(INCLUDING DUTY-PAID IMPORTS)

—	Wheat	Oats	Barley	Rye	Flaxseed
—	bu.	bu.	bu.	bu.	bu.
Receipts.....	3,928,182	267,428	349,450	98,713	
Shipments.....	3,400,912	267,428	349,450	98,713	

ANALYSIS OF CANADIAN WHEAT EXPORTS, BY MONTHS AND SEABOARD SECTOR, CROP YEAR 1950-51

Month	Via Canadian Pacific Seaboard Ports	Via Canadian Atlantic Seaboard Ports	Via Churchill	Via Fort William- Port Arthur Direct	U.S.A. IMPORTS ¹		TOTAL ALL WHEAT	WHEAT FLOUR ²	GRAND TOTAL WHEAT AND WHEAT FLOUR
					For Domestic Use	Milling in Bond			
1950	bu.	bu.	bu.	bu.	bu.	bu.	bu.	bu.	bu.
August.....	1,454,972	7,469,275	3,032,350	56,000	24,094	11,888	458,735	12,415,332	3,060,045
September.....	3,686,225	6,021,969	3,382,393	352,800	13,025	98,287	892,137	14,075,806	2,273,063
October.....	3,222,029	9,361,786	332,800	.....	6,100	387,041	1,620,283	13,849,741	3,651,768
November.....	4,332,839	11,461,865	3,696,724	.....	13,116	904,504	1,244,287	17,808,128	5,669,190
December.....	4,319,903	3,696,724	.....	.....	.....	.....	10,178,534	4,156,816	14,355,350
1951									
January.....	6,293,130	3,598,067	.....	.....	1,761,909	173,050	11,826,156	5,699,637	17,525,793
February.....	5,978,190	3,281,110	.....	.....	928,832	.....	10,188,152	4,727,205	14,915,357
March.....	5,651,491	3,880,276	.....	.....	426,800	1,097,158	11,065,725	5,227,310	16,237,035
April.....	5,640,564	3,882,947	.....	.....	80,565	3,008,295	96,708	12,709,079	5,808,618
May.....	8,297,280	6,842,528	.....	.....	2,523,299	35,039	17,698,146	6,677,271	18,517,697
June.....	8,881,608	13,835,105	.....	.....	62,589	2,057,932	139,783	25,500,090	4,813,096
July.....	7,020,974	18,146,604	.....	.....	2,062,338	494,559	.....	27,724,475	4,163,463
Total Crop Year 1950-51.....	64,759,205	91,478,256	6,767,743	118,589	1,582,202	14,841,533	5,461,836	185,039,364	55,921,482
Total Crop Year 1949-50.....	61,359,354	98,760,090	5,527,535	199,124	143,443	2,210,031	11,277,303	179,456,880	45,679,905
5-year average 1945-46 to 1949-50.....	55,945,977	100,344,673	3,749,301	39,825	21,074,574	1,010,188	5,566,502	187,731,040	59,351,859
									247,082,899

¹Compiled from returns of Canadian Elevator licensees and shippers and advice from American grain correspondents.

²Canadian Customs Returns, published by the Dominion Bureau of Statistics, adjusted to remove effect of time lag in reports made by the Customs.

ANALYSIS OF CANADIAN GRAIN OVERSEAS EXPORTS, BY GRADE AND SEABOARD SECTOR, CROP YEAR 1950-51

Grades	Via Canadian Pacific Seaboard Ports	Via ¹ Canadian St. Lawrence —Atlantic Seaboard Ports	Via United States Atlantic Seaboard Ports	GRAND TOTAL
	bu.	bu.	bu.	bu.
<i>Wheat (Including Durum)—</i>				
1 Man. Hard.....				
1 Man. Northern.....	10,720,854	9,288,912	41,336	20,051,102
2 Man. Northern.....	15,733,240	29,229,389	201,302	45,163,931
3 Man. Northern.....	16,594,289	10,111,543		26,705,832
4 Man. Northern.....	12,009,631	12,180,626		24,190,257
No. 5.....	5,636,670	15,833,970	451,773	21,922,413
No. 6.....	134,773	380,214	407,172	922,159
Feed.....		255,232		255,232
Tough 3 Man. Northern.....		5,160,989		5,160,989
1 C.W. Garnet.....	21,367	27,776		49,143
2 C.W. Garnet.....	572,312	407,730		980,042
3 C.W. Garnet.....	2,574,422	270,836		2,845,258
1 Alberta Red Winter.....	344,661	101,977		446,638
2 Alberta Winter.....	379,440	78,513		457,953
3 Alberta Winter.....	63,712			63,712
Other Western.....	3,834	321,976	80,565	406,375
Eastern.....		3,114,722		3,114,722
2 C.W. Amber Durum.....		945,949		945,949
3 C.W. Amber Durum.....		7,029,047	236,933	7,265,980
4 C.W. Amber Durum.....		3,615,697		3,615,697
Other Durum.....		9,490	163,121	172,611
Total.....	64,789,205	98,364,588	1,582,202	164,735,995
<i>Oats—</i>				
2 C.W.....	7,353	49,675		57,028
Ex. 3 C.W.....		191,090		191,090
3 C.W.....		718,736		718,736
Ex. 1 Feed.....	58,235	6,484		64,719
1 Feed.....	157,941	2,263,863		2,421,804
2 Feed.....	5,882			5,882
Mixed Feed.....	315,800	314,554		630,354
Eastern.....		66,011		66,011
Total.....	545,211	3,610,413		4,155,624
<i>Barley—</i>				
3 C.W. Six-Row.....	5,444			5,444
3 C.W. Two-Row.....	98,040	68,960		167,000
3 C.W. Yellow.....	6,628			6,628
1 Feed.....	1,395,921	6,181,583		7,577,504
2 Feed.....	1,141,389	2,704,901		3,846,290
3 Feed.....	35,551	671,439		706,990
Tf. 2 Feed.....		34,960		34,960
Sample.....		143,061		143,061
Total.....	2,682,973	9,804,904		12,487,877
<i>Rye—</i>				
2 C.W.....		2,413,521	2,725,037	5,138,558
3 C.W.....		617,783	317,275	935,058
Eastern.....		6,485		6,485
Total.....		3,037,789	3,042,312	6,080,101
<i>Flaxseed—</i>				
1 C.W.....	266,596	3,512,273		3,778,869
2 C.W.....	197,330	140,778		338,108
3 C.W.....		14,152		14,152
Total.....	463,926	3,667,203		4,131,129

¹Includes clearances via the Port of Churchill and via Fort William—Port Arthur direct.

EXPORT CLEARANCES OF CANADIAN GRAIN TO OVERSEAS DESTINATION BY
SEABOARD PORTS, CROP YEAR 1950-51

Loaded at	Wheat (All Varieties)	Oats	Barley	Rye	Flaxseed	Grand Total A Grains
	bu.	bu.	bu.	bu.	bu.	bu.
Vancouver-New Westminster	64,789,205	545,211	2,682,973	.....	463,926	68,481,0
Victoria	.....	.....	.....	.....	.....	.....
Prince Rupert	.....	.....	.....	.....	.....	.....
Montreal	49,102,720	3,218,507	5,350,480	1,454,448	3,317,843	62,443,1
Sorel	7,816,411	19,918	1,927,331	452,636	.....	10,216,1
Three Rivers	10,376,874	.....	.....	.....	.....	10,376,8
Quebec	8,768,462	297,572	1,823,354	913,410	.....	11,802,4
St. John	443,494	.....	68,099	19,704	.....	531,4
West St. John	9,889,091	74,416	635,640	197,591	349,360	11,146,4
Halifax	5,081,204	.....	.....	.....	.....	5,081,2
Churchill	6,767,743	.....	.....	.....	.....	6,767,7
Fort William-Port Arthur (Direct)	118,589	.....	.....	.....	.....	118,5
Total—Canadian Ports	163,153,793	4,155,624	12,487,877	3,037,789	4,131,129	186,966,8
Albany	299,835	.....	.....	222,449	.....	522,8
Baltimore	443,810	.....	.....	2,819,863	.....	3,263,8
Boston	762,868	.....	.....	.....	.....	762,8
New York	57,235	.....	.....	.....	.....	57,2
Philadelphia	18,454	.....	.....	.....	.....	18,4
Total—U.S.A. Ports	1,582,202	.....	.....	3,042,312	.....	4,624,0
Total to Overseas	164,735,995	4,155,624	12,487,877	6,080,101	4,131,129	191,590,0
Wheat Flour ¹	55,921,482	.....	.....	.....	.....	55,921,4
Rolled Oats and Oatmeal ²	.....	679,406	.....	.....	.....	679,4
U.S.A. Imports ³	20,303,369	30,562,083	10,588,112	3,287,273	.....	64,740,0
Grand Total	240,960,846	35,397,113	23,075,989	9,367,374	4,131,129	312,932,0

¹Canadian Customs returns converted to bushels, adjusted to remove effect of time lag in reporting made by the Customs.

²Canadian Customs returns converted to bushels.

³Compiled from returns of Canadian Elevator licensees and shippers and advice from American grain correspondents.

B1 WEIGHTED AVERAGE LAKE FREIGHT RATES FOR SHIPMENTS OF GRAIN FROM
 FORT WILLIAM—PORT ARTHUR
 SEASON OF NAVIGATION 1951

		Wheat	Oats	Barley	Rye	Flaxseed
		c. per bu.	c. per bu.	c. per bu.	c. per bu.	c. per bu.
u.	u.					
81	Georgian Bay Ports, Goderich, Sarnia and Walkerville.....	5.595	5.019	5.337	5.5	7.5
	Humberstone.....	7.658	.....	.....	.....	.....
	Port Colborne.....	7.5	6.75	7.25	7.5	.....
43	Toronto.....	8.0	7.25	7.5	.....	.....
16	Kingston.....	.....	8.0	8.25	.....	.....
76	Prescott.....	9.0	8.25	8.5	.....	.....
02	Montreal.....	16.0	12.5	15.25	16.0	17.0
31	Montreal via Humberstone.....	16.0	.....	15.25	.....	17.0
46	Montreal via Port Colborne.....	16.0	12.5	15.25	16.0	17.917
81	Montreal via Toronto.....	16.0	.....	.....	16.0	.....
67	Montreal via Kingston.....	16.0	12.5	15.25	16.0	17.0
18	Montreal via Prescott.....	16.0	.....	15.25	.....	17.0
	Sorel.....	16.0	12.5	.....	.....	.....
66	Sorel via Port Colborne.....	16.0	12.5	15.25	16.0	.....
22	Sorel via Kingston.....	16.0	.....	.....	.....	.....
63	Sorel via Prescott.....	16.0	12.5	.....	.....	17.0
62	Three Rivers.....	16.0	.....	.....	.....	.....
57	Quebec.....	16.0	14.0	15.25	.....	.....
18	Quebec via Prescott.....	16.0	.....	.....	.....	.....
	Buffalo.....	10.386	8.48	9.877	10.56	.....
24	Chicago.....	10.815	8.215	.....	10.59	.....
90	Detroit.....	10.0	.....	10.0	.....	.....
21	Duluth-Superior.....	6.366	4.729	6.341	.....	.....
79	Erie.....	8.901	.....	.....	.....	.....
40	Huron.....	.....	8.199	.....	.....	.....
	Manitowoc.....	.....	.....	9.894	.....	.....
32	Milwaukee.....	11.109	.....	10.039	.....	.....
Dep	Oswego.....	11.367	.....	.....	12.19	.....
	Toledo.....	9.0	.....	.....	.....	.....

g1 NOTE.—Where charters are written in American funds, a premium has been added for conversion to Canadian money.

BOARD OF GRAIN COMMISSIONERS FOR CANADA—STATISTICS BRANCH
AVOIDING FIXED WAGES AND OPEN MATURED CREDIT OPERATIONS. CROWN
PRINTING AND PUBLISHING COMPANY LTD., 1935.

For footnotes see page 65.

BOARD OF GRAIN COMMISSIONERS FOR CANADA—STATISTICS BRANCH—Concluded
MONTHLY AVERAGE FIXED WESTERN GRAIN PRICES AND OPEN MARKET CLOSING CASH QUOTATIONS, CROP YEAR 1950-51—Concluded

(a) CANADIAN WHEAT BOARD CASH PRICES— Concluded		(Cents and eighths per bushel)																		
BARLEY ² — <i>Domestic and Export</i> ³		Aug. 1950		Sept.		Oct.		Nov.		Dec.		Jan. 1951		Feb.	March	April	May	June	July	Yearly Average
1 C.W. Six-Row.....	154/1	153/6	159/6	154/7	148/7	159/7	170/1	168/6	162/1	138/4	128/1	123	151/7							
2 C.W. Six-Row.....	154/1	153/6	159/6	154/7	148/7	159/7	170/1	168/6	162/1	138/4	128/1	123	151/7							
1 C.W. Two-Row.....	144	149/2	147/1	141/7	154/7	165/1	163/6	157/1	133/4	123/7	123/7	121	145/4							
2 C.W. Two-Row.....	145	149/2	147/1	141/7	154/7	165/1	163/6	157/1	133/4	123/7	123/7	121	145/4							
3 C.W. Six-Row.....	152/1	151/6	157/6	152/7	146/7	157/7	168/1	166/6	160/1	136/4	126/2	120/	149/6							
2 C.W. Yellow.....	146/6	143/6	142/1	144/4	139/7	140/7	150/7	159/6	152/7	127/4	120/4	119/4	142/3							
3 C.W. Yellow.....	144/6	141/6	140/1	143/2	138/7	149/7	160/1	158/6	151/7	125/4	118/4	117/4	140/7							
4 C.W. Six-Row.....	144/5	141/6	141/5	146/3	140/7	151/7	162/1	160/6	154/1	130/4	120/2	116/4	142/5							
3 C.W. Two-Row.....	143/5	139/4	136/7	140/4	134	143/7	153/1	151/6	145/3	124/3	117/1	116/3	137/1							
1 Feed.....																				
2 Feed.....																				
3 Feed.....																				
(b) WINNIPEG GRAIN EXCHANGE CASH QUOTATIONS ²																				
(1) Domestic and Export—																				
2 C.W.	90/7	91/1	88/5	95	98/1	104/7	110	106/1	102/2	100/6	89/2	80/7	78	80/6						
Ex. 3 C.W.	88/2	89/4	87/1	93/2	95/1	101/2	106/1	104/6	100/5	98/1	88/5	80/4	77/6	91/4						
3 C.W.	87/1	88/2	85/3	92/1	94/6	100/1	104/7	100/5	98/1	88/5	80/4	77/6	91/4							
Ex. 1 Feed.....																				
1 Feed.....																				
2 Feed.....																				
3 Feed.....																				
(2) Domestic and Export—																				
1 C.W. Six-Row.....	149/4	152/1	156/2	152	144/5	154/7	165/1	163/6	156	132/3	123/3	123/3	120/6	147/4						
2 C.W. Six-Row.....	149/4	152/1	156/2	144/5	144/5	145/5	139/1	139/2	148/6	159/1	157/6	150	127/5	147/4						
1 C.W. Two-Row.....	142	143	145/5	145/5	145/5	139/1	139/1	139/2	148/6	159/1	157/6	150	128	147/4						
2 C.W. Two-Row.....	142	143	145/5	145/5	145/5	150/1	142/5	142/5	142/5	143/1	161/6	154	130/3	145/5						
3 C.W. Six-Row.....	147/4	144/4	150/1	150/1	150/1	137/1	137/1	137/1	137/1	137/1	155/6	148/4	127/7	147/4						
2 C.W. Yellow.....	142	138/3	138/3	138/3	138/3	135/3	136/7	135/2	135/2	135/2	144/6	144/6	144/6	147/4						
3 C.W. Yellow.....	141/7	138/1	138/1	138/1	138/1	135/3	135/3	135/3	135/3	135/3	144/6	144/6	144/6	147/4						

4 C.W. Six-Row	138/3	139/3	140/6	147/7	158/1	156/6	148/7	125	117/6	116/1	138/7
3 C.W. Two-Row	138	134/6	136/7	133/3	143/2	152/3	151/1	144/4	123/7	116/3	115/2
1 Feed	138	134/6	136/4	133/3	143/1	152/3	151/1	144/4	123/7	116/3	115/2
2 Feed	138/3	135/5	128/4	133/5	129/7	140	149	147/2	140/7	119/4	112/2
3 Feed	132/3	130/3	123	127/2	122/3	132/2	140/5	139/2	132/6	110/7	102/6
 RYE—											
(1) Domestic and Export and Producers' Prices											
2 C.W.	143/7	143/7	146/2	154	162/7	183/6	205/7	228/3	229/1	210/2	209
3 C.W.	140/6	139/5	141/2	141/2	158/1	173/7	201/2	223/7	224/4	205/2	204
4 C.W.	133/2	132/4	136	144/7	152/7	174/1	195/4	216/5	215/5	195/7	192/7
Erugoty	125/2	125/1	130	138/1	146/7	168/1	189/4	210/4	208/5	189/7	181
Rejected	129/2	128/4	132	140/1	148/7	170/1	191/4	212/4	211/5	191/7	175

FLAXSEED—

(1) Domestic and Export and Producers' Prices³—

1 C.W.	359/3	388	369/1	379/1	402/4	488/4	543/4	534	517/4	462/5	436/6
2 C.W.	354/3	383/1	364/1	372/7	397/4	452/2	539/4	528/3	511/7	457/4	429
3 C.W.	334/3	363/1	338/5	333/2	361/1	443/7	496/5	474	456/2	390/3	359/5

¹Basis in Store Fort William-Port Arthur or Vancouver.²Basis in Store Fort William-Port Arthur.³For Local Sales and for Spot sales subject to confirmation.⁴Effective June 15, 1951 a 6c. carrying charge was added to all Domestic Sales.

141/7	138/3	139/3	140/6	147/7	158/1	156/6	148/7	125	117/6	116/1	138/7
141/6	138	134/6	136/7	133/3	143/2	152/3	151/1	144/4	123/7	116/3	115/2
141/6	138	134/6	136/4	133/3	143/1	152/3	151/1	144/4	123/7	116/3	115/2
1 Feed	138/3	135/5	128/4	133/5	129/7	140	149	147/2	140/7	119/4	112/2
3 Feed	132/3	130/3	123	127/2	122/3	132/2	140/5	139/2	132/6	110/7	102/6
 RYE—											
(1) Domestic and Export and Producers' Prices											
2 C.W.	143/7	143/7	146/2	154	162/7	183/6	205/7	228/3	229/1	210/2	209
3 C.W.	140/6	139/5	141/2	141/2	158/1	173/7	201/2	223/7	224/4	205/2	204
4 C.W.	133/2	132/4	136	144/7	152/7	174/1	195/4	216/5	215/5	195/7	192/7
Erugoty	125/2	125/1	130	138/1	146/7	168/1	189/4	210/4	208/5	189/7	181
Rejected	129/2	128/4	132	140/1	148/7	170/1	191/4	212/4	211/5	191/7	175

141/7	138/3	139/3	140/6	147/7	158/1	156/6	148/7	125	117/6	116/1	138/7
141/6	138	134/6	136/7	133/3	143/2	152/3	151/1	144/4	123/7	116/3	115/2
141/6	138	134/6	136/4	133/3	143/1	152/3	151/1	144/4	123/7	116/3	115/2
1 Feed	138/3	135/5	128/4	133/5	129/7	140	149	147/2	140/7	119/4	112/2
3 Feed	132/3	130/3	123	127/2	122/3	132/2	140/5	139/2	132/6	110/7	102/6
 RYE—											
(1) Domestic and Export and Producers' Prices											
2 C.W.	143/7	143/7	146/2	154	162/7	183/6	205/7	228/3	229/1	210/2	209
3 C.W.	140/6	139/5	141/2	141/2	158/1	173/7	201/2	223/7	224/4	205/2	204
4 C.W.	133/2	132/4	136	144/7	152/7	174/1	195/4	216/5	215/5	195/7	192/7
Erugoty	125/2	125/1	130	138/1	146/7	168/1	189/4	210/4	208/5	189/7	181
Rejected	129/2	128/4	132	140/1	148/7	170/1	191/4	212/4	211/5	191/7	175

141/7	138/3	139/3	140/6	147/7	158/1	156/6	148/7	125	117/6	116/1	138/7
141/6	138	134/6	136/7	133/3	143/2	152/3	151/1	144/4	123/7	116/3	115/2
141/6	138	134/6	136/4	133/3	143/1	152/3	151/1	144/4	123/7	116/3	115/2
1 Feed	138/3	135/5	128/4	133/5	129/7	140	149	147/2	140/7	119/4	112/2
3 Feed	132/3	130/3	123	127/2	122/3	132/2	140/5	139/2	132/6	110/7	102/6
 RYE—											
(1) Domestic and Export and Producers' Prices											
2 C.W.	143/7	143/7	146/2	154	162/7	183/6	205/7	228/3	229/1	210/2	209
3 C.W.	140/6	139/5	141/2	141/2	158/1	173/7	201/2	223/7	224/4	205/2	204
4 C.W.	133/2	132/4	136	144/7	152/7	174/1	195/4	216/5	215/5	195/7	192/7
Erugoty	125/2	125/1	130	138/1	146/7	168/1	189/4	210/4	208/5	189/7	181
Rejected	129/2	128/4	132	140/1	148/7	170/1	191/4	212/4	211/5	191/7	175

141/7	138/3	139/3	140/6	147/7	158/1	156/6	148/7	125	117/6	116/1	138/7
141/6	138	134/6	136/7	133/3	143/2	152/3	151/1	144/4	123/7	116/3	115/2
141/6	138	134/6	136/4	133/3	143/1	152/3	151/1	144/4	123/7	116/3	115/2
1 Feed	138/3	135/5	128/4	133/5	129/7	140	149	147/2	140/7	119/4	112/2
3 Feed	132/3	130/3	123	127/2	122/3	132/2	140/5	139/2	132/6	110/7	102/6
 RYE—											
(1) Domestic and Export and Producers' Prices											
2 C.W.	143/7	143/7	146/2	154	162/7	183/6	205/7	228/3	229/1	210/2	209
3 C.W.	140/6	139/5	141/2	141/2	158/1	173/7	201/2	223/7	224/4	205/2	204
4 C.W.	133/2	132/4	136	144/7	152/7	174/1	195/4	216/5	215/5	195/7	192/7
Erugoty	125/2	125/1	130	138/1	146/7	168/1	189/4	210/4	208/5	189/7	181
Rejected	129/2	128/4	132	140/1	148/7	170/1	191/4	212/4	211/5	191/7	175

141/7	138/3	139/3	140/6	147/7	158/1	156/6	148/7	125	117/6	116/1	138/7
141/6	138	134/6	136/7	133/3	143/2	152/3	151/1	144/4	123/7	116/3	115/2
141/6	138	134/6	136/4	133/3	143/1	152/3	151/1	144/4	123/7	116/3	115/2
1 Feed	138/3	135/5	128/4	133/5	129/7	140	149	147/2	140/7	119/4	112/2
3 Feed	132/3	130/3	123	127/2	122/3	132/2	140/5	139/2	132/6	110/7	102/6
 RYE—											
(1) Domestic and Export and Producers' Prices											
2 C.W.	143/7	143/7	146/2	154	162/7	183/6	205/7	228/3	229/1	210/2	209
3 C.W.	140/6	139/5	141/2	141/2	158/1	173/7	201/2	223/7	224/4	205/2	204
4 C.W.	133/2	132/4	136	144/7	152/7	174/1	195/4	216/5	215/5	195/7	192/7
Erugoty	125/2	125/1	130	138/1	146/7	168/1	189/4	210/4	208/5	189/7	181
Rejected	129/2	128/4	132	140/1	148/7	170/1	191/4	212/4	211/5	191/7	175

141/7	138/3	139/3	140/6	147/7	158/1	156/6	148/7	125	117/6	116/1	138/7
141/6	138	134/6	136/7	133/3	143/2	152/3	151/1	144/4	123/7	116/3	115/2
141/6	138	134/6	136/4	133/3	143/1	152/3	151/1	144/4	123/7	116/3	115/2
1 Feed	138/3	135/5	128/4	133/5	129/7	140	149	147/2	140/7	119/4	112/2
3 Feed	132/3	130/3	123	127/2	122/3	132/2	140/5	139/2	132/6	110/7	102/6
 RYE—											
(1) Domestic and Export and Producers' Prices											
2 C.W.	143/7	143/7	146/2	154	162/7	183/6	205/7	228/3	229/1	210/2	209
3 C.W.	140/6	139/5	141/2	141/2	158/1	173/7	201/2	223/7	224/4	205/2	204
4 C.W.	133/2	132/4	136	144/7	152/7</td						

APPENDIX No. 9
REPORT OF THE CHIEF CHEMIST

WINNIPEG, MANITOBA,
December 14, 1951

Board of Grain Commissioners,
Winnipeg, Manitoba.

SIRS,—I have the honour to submit the following report on the Board's Research Laboratory for the year 1951.

All 1951 crops of Western Canadian grain suffered severely from atrocious harvesting weather. Continued rains almost everywhere, followed by early snow in southern and western Alberta and across the northern half of the crop-growing area, caused drastic degrading. Some further combining was completed after the snow fell, even into December, but large amounts of swathed and standing grain must await spring harvesting.

The top grade of each grain is almost negligible this year, and the second grade is generally small; the bulk of the crops enters the third and fourth grades. Percentages of tough and damp grain will exceed previous records.

Spring wheat, considered as a 3 and 4 Northern crop, maintains its reputation. High protein wheat, that might have graded 1 and 2 Northern, was weathered to 3 and 4 Northern levels, so that these grades, with protein contents of about 13.6 per cent, have good baking strength. Flour yields and loaf scores are about average for the grades. Gassing power is high. Durum wheat of fairly good macaroni-making quality is available in No. 3 C.W. Amber Durum, but quality deteriorates rapidly in lower grades. No. 3 C.W. Six-row is the largest of the malting grades of barley, and the qualities of this and small amounts of higher grades are generally satisfactory. Flax also suffered from weathering, but both oil content and iodine value are above average.

In collaboration with the Chief Inspector, the usual assistance was given in preparing tentative Standard and tentative Standard Export Samples, and in collecting information on crop quality for presentation at two meetings of the Committee on Western Grain Standards. The principal degrading factors were immaturity, sprouting and general weathering. In addition, saprophytic moulds growing on outer layers of the kernels were widely prevalent in southern areas. An unusual splitting of the bran on the cheeks of wheat kernels was observed in southern Alberta. A few samples showed considerable percentages of pink kernels associated with immaturity. Special studies of the effects of these types of damage on milling and baking quality were made as soon as fully representative samples could be obtained.

The Laboratory made its services available to the Chief Inspector for testing dried grain. Tests were undertaken as soon as each terminal started drying to ascertain that no damage to quality resulted from improper operation. With the added experience gained last year, all terminals are operating their driers without trouble. Some farm drying has come to our attention, but the volume is too small to cause alarm. The wisdom of attempting to dry grain on the farm may well be questioned. Costs of satisfactory installations and of operation are high, and lack of experience increases the danger of damaging the grain. The supervision given to terminal drying operations cannot be extended to country points.

Two successive wet seasons have given impetus to the study of moisture testing. From the electrical moisture meters known to us, four have been selected as most suitable for grain, namely, Halross, Marconi (T.F.933), Tag Heppenstall, and Universal. Detailed comparisons of the accuracy of these

four meters have been made for wheat and barley. A study with oats is in progress, and further studies of other grains are projected. Results for wheat and barley show that the Halross meter is the most accurate of the four. A number of additional studies of meters has also been made to estimate field performance and to elucidate sources of error. Several hundred electrical meters are now in use in country and terminal elevators in Canada. The possibility of selecting an electrical meter for use in an official method for moisture content, in place of the Brown-Duvel method, is under joint study by the Laboratory and the Inspection Branch.

During the past year good progress has been made in improving the procedures for studying the quality of grain marketed through various channels. The Laboratory now receives unload samples, taken by automatic samplers at terminal elevators, in place of stab samples taken at primary inspection points. This change provides more representative samples; it also makes possible the collection of additional data on dockage, degrading factors, and moisture, besides clean bushel weight and protein content. Hollerith punch cards have been redesigned to accommodate the additional data. Records are kept for every twentieth, tenth, or fifth car, of each grade, depending on its size. As heretofore, records are also collected for every cargo leaving the Lakehead and seaboard ports.

The new data create possibilities for studies of incidence of individual grading factors and of the practical effect of these on quality. Moreover, a procedure has been devised for studying the effects of soundness on grade qualities independent of protein content and bushel weight. In due season, this procedure should yield more detailed factual support for the contention that Canadian grading is uniform from year to year.

The writer takes this opportunity of expressing appreciation of the co-operation and help given by the Chief Grain Inspector and his staff in facilitating the revised system of collecting samples. The collaboration between the Laboratory and the Inspection Branch continues to be extraordinarily close and happy.

Quality studies of new varieties of cereal grains have been continued in collaboration with the Associate Committee on Grain Research. In spite of the wet Fall and low grades, it has proved possible to proceed with the annual uniform variety trials for bread wheats and with a collaborative trial, involving Canadian, United Kingdom, and United States chemists, of two promising new varieties. But low grades have forced the postponement of a corresponding study of new durum varieties.

Basic research in the bread wheat section, under Dr. I. Hlynka, continues to follow plans formulated about three years ago. The long-term objective is to obtain insight into the physico-chemical structure that gives dough its unique visco-elastic properties. A major line of attack involves quantitative study of the measurable changes that occur in the physical properties and behaviour of dough under specified treatments, and the formulation of testable hypotheses that will explain this behaviour in terms of molecular structure. Use is being made of the marked changes that occur in dough properties when bromate is added, and of differences created by mixing in air, oxygen, and nitrogen. The major investigation deals with rates of relaxation of stress in doughs following manipulation. Long-term relaxation, over 3 or 4 hours, is being studied with the extensograph, and short-term relaxation, over seconds and minutes, with an instrument, called a "relaxometer", designed and constructed in the Laboratory. Chemical studies of the fate of bromate in dough represent a co-ordinated attack on the same problem.

Comparative studies of "glutens" prepared from wheat, barley and rye, and of a corresponding but clay-like preparation from oats, have been continued in the analytical section by Mr. D. K. Cunningham. The preparations are made

by dispersing the protein in formic acid. Attention has been directed to the amounts and qualities of preparations precipitated from the dispersions by various salts and at different hydrogen-ion concentrations. Attempts are being made to correlate the results with studies of the physical properties of the glutens as recorded by the "stretchometer" designed and constructed in the Laboratory some years ago. This research bears on the same problem under study in the bread wheat section.

In the durum wheat section, Dr. G. N. Irvine is investigating lipoxidase activity by quantitative studies of oxygen uptake made with a Warburg apparatus. The enzyme lipoxidase is responsible for destroying desirable yellow pigments during macaroni processing. Methods that differentiate clearly between durum varieties of different macaroni-making quality have already been devised. But adequate hypotheses to explain the kinetics of the reactions are proving more elusive.

Research on malting barley, under Dr. W. O. S. Meredith, deals with gums in barley and malt that are mainly responsible for viscosity of wort and beer, and with enzymes that attack them and thus reduce viscosity. One immediate objective is the preparation of a stable gum free from contamination with enzymes or other adventitious nitrogen components. In the enzyme study, a method of separating the gum enzyme from other enzymes that attack starch has been developed, and studies of the kinetics of enzymatic hydrolysis of the gums are in progress. In addition, work is being done on the design and construction of new laboratory malting equipment permitting direct control of the temperature of the growing malt and of the carbon dioxide content of the malting atmosphere. Rebenching of the barley research laboratory has been completed.

During 1951 the staff published, or have in press, ten scientific papers. Five statements on crop quality and two protein maps were released to the press during the Fall. Four crop bulletins, two on wheat and one apiece on barley and flax, were also widely distributed. More attractive covers were designed for these bulletins, and efforts have been continued to present the information in simple language. The Laboratory is also collaborating with the Commercial Intelligence Service of the Department of Trade and Commerce in preparing a brochure on Canadian wheat and flour. The story is to be told largely with photographs.

Gains and losses in staff show a favourable balance. Dr. C. J. Dempster has returned from leave of absence and is to be congratulated on obtaining the degree of Ph.D. from McGill University. A search for a physicist, to add to the staff of the bread wheat section, proved successful when J. R. Cunningham, M.Sc., University of Saskatchewan, was appointed on June 1. Mr. P. R. Templin resigned from a temporary position to continue postgraduate studies towards an M.Sc. degree at the University of Manitoba. He and Messrs. M. Golubchuk, T. A. Watts, and W. Bushuk, are undertaking research in this Laboratory which is now accredited to the University of Manitoba for post-graduate studies. Messrs. Glenday and Stitt resigned from the sub-professional staff, and they and Mr. Hill, who resigned last year, have been replaced by Messrs. Podolak, Solomon, and Wilson.

A detailed report on the work of the Grain Research Laboratory has been prepared. In accordance with past practice, it is recommended that this report be published in full to put on record data on the quality of Canadian grain crops and progress reports on laboratory investigations.

Respectfully submitted,

J. ANSEL ANDERSON,
Chief Chemist.

APPENDIX No. 10

FORT WILLIAM, Ont.,

November 30, 1951.

The Board of Grain Commissioners,
Winnipeg, Man.

GENTLEMEN:

I beg to submit the following report of the operations of the Canadian Government Elevators for the crop year 1950-51.

ELEVATORS OPERATED

The interior terminal elevators at Moose Jaw, Saskatoon, Calgary, Edmonton and Lethbridge were operated during the year as public terminal elevators. The elevator at Prince Rupert was licensed as a public terminal but no grain was received into or shipped from the elevator during the crop year. Since October, 1951, there has been a steady movement of wheat to Prince Rupert and present indications are that probably eight cargoes may be shipped through that port during the current year.

ELEVATOR LEASED

The elevator at Port Arthur continues to be operated by McCabe Grain Co. Ltd., under lease for a term of five years from August 1st, 1949.

TARIFF OF CHARGES

The tariff of charges was substantially the same as was in effect the previous year, the only major change being the reduction of the storage charge from one-thirtieth (1/30) of one cent to one-forty fifth (1/45) of one cent per bushel per day after the first ten days.

VOLUME OF GRAIN HANDLED

There was a decided increase in the amount of grain received as compared with receipts of the previous year, due largely to the movement of low grade wheat into the Moose Jaw and Saskatoon elevators.

Comparative figures for the two years are as follows:

Elevator	1949-50	1950-51	Decrease	Increase
	bus.	bus.	bus.	bus.
Moose Jaw.....	47,441	4,442,285	.....	4,394,844
Saskatoon.....	54,190	4,746,616	.....	4,692,426
Calgary.....	2,480,118	2,256,312	223,806	.....
Edmonton.....	423,129	1,671,705	.....	1,248,576
Lethbridge.....	16,327	78,538	.....	62,211
Prince Rupert.....				
	3,021,205	13,195,456	.....	10,174,251

Shipments of grain from all elevators during the year totalled 3,258,139 bushels and stocks in store on July 31, 1951, amounted to 10,059,094 bushels.

In addition to the above a considerable amount of rapeseed was handled at the Moose Jaw and Saskatoon elevators. Receipts at the former were 347,595 pounds and shipments 1,067,100 pounds. Saskatoon receipts were 159,285 pounds, which was in store on July 31, 1951, and since that date receipts have amounted to 2,750,000 pounds.

Since the end of the crop year there has been considerable activity in both receipts and shipments of grain at all the elevators and a large volume of tough and damp grain is being dried.

MAINTENANCE OF BUILDINGS AND EQUIPMENT

The buildings, equipment and railway trackage at all points have been maintained in good operating condition.

At Port Arthur the bagging room and several small offices, which were of timber construction, were replaced with fire resistant materials. The obsolete passenger elevator is being replaced with modern equipment.

The installation of dust control equipment at Calgary has been completed and some electrical equipment in the substation modernized. Six car loading spouts were renewed and roofs of main buildings rehabilitated.

At Edmonton the two high pressure steam boilers serving the grain drying plant were retubed.

The Lethbridge drier and office building heating boilers are being converted from coal burning to gas burning.

Portions of the bracing of the dock piling at Prince Rupert have been renewed and the remainder of the bracing will be renewed during the coming season.

STAFFS

Staffs at all points have been maintained at the minimum of requirements. Substantial increase in temporary and casual help is necessary to take care of additional volume of grain now being handled. Extra shifts have been provided in connection with the drying of tough and damp grain.

Key men for the operation of the Prince Rupert elevator were temporarily transferred from other plants, three from Edmonton and three from Moose Jaw.

Four permanent employees retired during the year, the vacancies thus created being filled by promotion.

FINANCIAL RESULTS OF OPERATIONS

Earnings from all sources during the fiscal year ended March 31, 1951, amounted to \$700,693.31, an increase of \$418,077.39 over the previous year, increases being recorded in practically all revenue items.

Operating expenses were \$565,724.39, an increase of \$64,609.04 over the previous year.

The surplus of revenue over all expenditures was \$134,968.92 compared with a deficit of \$218,499.43 the previous year.

As in former years, no provision was made in the financial statements to cover depreciation of plants and equipment, expenditures for maintenance of which are included in operating costs.

Respectfully submitted,

R. HETHERINGTON,

General Manager.

APPENDIX No. 11

STATEMENT OF REVENUE AND EXPENDITURE FOR
FISCAL YEAR ENDING MARCH 31, 1951

(a) WINNIPEG—

Revenue

	\$	cts.	\$	cts.	\$	cts.
Licence and Bonding Fees.....	29,429	00				
Less Fees Refunded.....	100	00				
			29,329	00		
Registration Fees.....	10,758	44				
Cancellation Fees.....	10,329	06				
			21,087	50		
Appeal Fees.....	1,497	00				
Less Fees Refunded.....	96	00				
			1,401	00		
Inspection Fees.....	309,305	15				
Overtime.....	956	25				
Splits—Cargo.....	260	10				
Samples Sold.....	8,960	69				
Sampling Fees.....	6,008	00				
Express Charges.....	2,278	48				
			327,758	67		
Weighing Fees.....	20,140	52				
Overtime.....	675	20				
Condition Reports.....	225	50				
			21,041	22		
					400,617	39

Expenditure—

Board and Executive Offices

Salaries—						
Commission and Secretary.....	36,265	31				
Secretary's Office.....	25,204	34				
Rent.....	6,020	80				
Travelling Expenses.....	5,861	26				
General Expenses.....	3,828	48				
Printing and Stationery.....	2,525	16				
			79,705	35		

Assistant Commissioner's Office

Salaries.....	5,000	00				
Rent.....	91	50				
Travelling Expenses.....	309	04				
General Expenses.....	64	30				
			5,464	84		

Licence and Bonding

Salaries.....	16,862	65				
Rent.....	1,643	32				
General Expenses.....	550	10				
Printing and Stationery.....	1,904	39				
			20,960	46		

Accounts

Salaries.....	11,577	63				
General Expenses.....	350	94				
Printing and Stationery.....	207	18				
			12,135	75		

Registration

Salaries.....	19,733	00				
Rent.....	1,919	80				
General Expenses.....	574	62				
Printing and Stationery.....	143	88				
			22,371	30		

Grain Research Laboratory

Salaries.....	92,846	09				
Rent.....	13,572	00				
Travelling Expenses.....	2,981	80				
General Expenses.....	17,566	02				
Printing and Stationery.....	4,797	49				
			131,763	40		

Grain Appeal Tribunal

Salaries.....	5,080	00				
Rent.....	506	60				
General Expenses.....	1,386	80				
Printing and Stationery.....	61	69				
			7,035	09		

(a) WINNIPEG—Concluded—

Expenditure—Concluded

Grain Standard Committee

	\$ cts.	\$ cts.	\$ cts.
Travelling Expenses.....	3,223 96		
General Expenses.....	2,260 00		

5,483 96

Inspection Branch

Salaries.....	402,084 78		
Rent.....	21,906 50		
Travelling Expenses.....	902 46		
General Expenses.....	19,589 46		
Printing and Stationery.....	7,957 68		
		452,440 88	
Salaries.....	38,329 03		
Rent.....	1,799 80		
Travelling Expenses.....	16 95		
General Expenses.....	692 60		
Printing and Stationery.....	61 48		
		40,899 95	
			778,260 98

(b) CHURCHILL

Revenue

Inspection Fees.....	22,121 49		
Overtime.....	739 10		
		22,860 59	
Weighing Fees.....	11,060 74		
Overtime.....	563 30		
		11,624 04	
			34,484 63

Expenditure

Inspection Branch

Salaries.....	8,360 66		
Travelling Expenses.....	3,086 50		
General Expenses.....	4 84		
		11,452 00	

Weighing Branch

Salaries.....	4,904 34		
Travelling Expenses.....	2,253 65		
General Expenses.....	12 97		
		7,170 96	

18,622 96

(c) KEEWATIN—

Revenue

Inspection Fees.....	4,752 00		
Overtime.....	82 50		
		4,834 50	
Weighing Fees.....	5,578 78		
Overtime.....	99 20		
		5,677 98	
			10,512 48

Expenditure

Salaries—Inspection Branch.....	4,834 50		
Salaries—Weighing Branch.....	5,632 20		
General Expenses—Weighing.....	45 78		
		5,677 98	
			10,512 48

(d) SASKATOON—

Revenue

Inspection Fees.....	18,433 06		
Overtime.....	1,173 65		
Samples Sold.....	615 45		
		20,222 16	
Weighing Fees.....	9,996 49		
Overtime.....	504 40		
		10,500 89	
			30,723 05

Expenditure

Assistant Commissioner's Office

Salaries.....	10,315 42		
Travelling Expenses.....	1,795 87		
General Expenses.....	238 97		
Printing and Stationery.....	47 19		
		12,397 45	

(d) SASKATOON—Concluded—

Expenditure—Concluded

Inspection Branch

	\$	cts.	\$	cts.	\$	cts.
Salaries.....	25,665	88				
Rent.....	877	00				
General Expenses.....	503	63				
Printing and Stationery.....	116	30				
			27,162	81		

Weighing Branch

Salaries.....	16,570	40				
Travelling Expenses.....	1,686	51				
General Expenses.....	12	80				
			18,269	71		
					57,829	97

(e) MOOSE JAW—

Revenue

Inspection Fees

Inspection Fees.....	15,416	37				
Overtime.....	523	85				
Samples Sold.....	543	99				
Sampling Fees.....	14	00				
			16,498	21		
Weighing Fees.....	7,905	53				
Overtime.....	716	00				
			8,621	53		
					25,119	74

Expenditure

Inspection Branch

Salaries.....	21,445	74				
Rent.....	1,125	00				
General Expenses.....	758	86				
Printing and Stationery.....	108	88				
			23,438	48		

Weighing Branch

Salaries.....	13,614	50				
General Expenses.....	20	80				
			13,635	30		
					37,073	78

(f) MEDICINE HAT—

Revenue

Inspection Branch

Inspection Fees.....	9,103	18				
Overtime.....	10	20				
Samples Sold.....	426	81				
			9,540	19		
Weighing Branch						

Weighing Fees.....	9,564	00				
Overtime.....	46	40				
			9,610	40		
					19,150	59

Expenditure

Inspection Branch

Salaries.....	8,416	20				
Rent.....	716	00				
General Expenses.....	267	00				
Printing and Stationery.....	140	59				
			9,539	79		

Weighing Branch

Salaries.....	9,610	40				
General Expenses.....	40					
			9,610	80		
					19,150	59

(g) LETHBRIDGE—

Revenue

Inspection Fees.....	439	10				
Samples Sold.....	75	37				
			514	47		
Weighing Fees.....			113	34		
					627	81

Expenditure

Inspection Branch

Salaries.....	5,597	00				
General Expenses.....	123	72				
Printing and Stationery.....	2	77				
			5,723	49		

Weighing Branch

Salaries.....	3,188	00				
General Expenses.....	4	20				
			3,192	20		
					8,915	69

(h) CALGARY—

	\$ cts.	\$ cts.	\$ cts.
Revenue			
Inspection Fees.....	58,883 40		
Samples Sold.....	2,102 03		
Sampling Fees.....	6 00		
Express Charges.....	299 50		
		61,290 93	
Weighing Fees.....	15,478 48		
Overtime.....	2,546 00		
		18,024 48	
Appeal Fees.....	1,212 00		
Less Fees Refunded.....	183 00		
			1,029 00
			80,344 41

Expenditure

Assistant Commissioner's Office

Salaries.....	9,876 00		
Rent.....	828 00		
Travelling Expenses.....	2,447 57		
General Expenses.....	386 94		
Printing and Stationery.....	23 66		
		13,562 17	

Inspection Branch

Salaries.....	54,399 28		
Rent.....	3,000 00		
Travelling Expenses.....	85 50		
General Expenses.....	2,548 15		
Printing and Stationery.....	944 02		
		60,776 95	

Weighing Branch

Salaries.....	31,577 50		
Rent.....	314 04		
General Expenses.....	273 86		
		32,165 40	

Grain Appeal Board

Salaries.....	4,776 00		
Rent.....	420 00		
General Expenses.....	904 20		
Printing and Stationery.....	14 53		
		6,114 73	
			112,619 25

(i) EDMONTON—

Revenue

Inspection Fees.....	44,363 41		
Overtime.....	28 75		
Samples Sold.....	956 03		
Express Charges.....	178 00		
		45,526 19	
Weighing Fees.....	6,476 54		
Overtime.....	60 80		
		6,537 34	
Appeal Fees.....	624 00		
Less Fees Refunded.....	78 00		
		546 00	
			52,609 53

Expenditure

Inspection Branch

Salaries.....	64,142 94		
Rent.....	4,930 00		
Travelling Expenses.....	88 50		
General Expenses.....	2,824 60		
Printing and Stationery.....	541 23		
		72,527 27	

Weighing Branch

Salaries.....	14,368 80		
General Expenses.....	226 51		
		14,595 31	

Grain Appeal Board

Salaries.....	5,532 00		
Rent.....	675 00		
General Expenses.....	485 96		
Printing and Stationery.....	1 68		
		6,694 64	
			93,817 22

(j) VANCOUVER—

	\$ cts.	\$ cts.	\$ cts.
Revenue			
Inspection Fees.....	128,118 13		
Overtime.....	2,389 05		
Splits—Cargo.....	90		
Samples Sold.....	6,403 29		
		136,911 37	
Weighing Fees.....	106,538 12		
Overtime.....	3,265 95		
Condition Reports.....	50		
		109,804 57	
Registration Fees.....	2,405 09		
Cancellation Fees.....	2,504 14		
		4,909 23	
			251,625 17

Expenditure

Inspection Branch

Salaries.....	103,612 00
Rent.....	6,339 00
General Expenses.....	3,303 71
Printing and Stationery.....	957 36

114,212 07

Weighing Branch

Salaries.....	108,624 65
Rent.....	2,439 00
General Expenses.....	1,145 37
Printing and Stationery.....	990 20

113,199 22

Registration Branch

Salaries.....	5,922 01
Rent.....	1,632 00
General Expenses.....	208 76
Printing and Stationery.....	6 37

7,769 14 235,180 43

(k) FORT WILLIAM—

Revenue

Inspection Fees.....	507,900 79
Overtime.....	7,580 30
Splits—Cargo.....	4 00
Samples Sold.....	13,908 73
	529,393 82
Weighing Fees.....	399,537 45
Overtime.....	6,148 10
Jury Fees.....	6 00
	405,691 55
	935,085 37

Expenditure

Assistant Commissioner's Office

Salaries.....	8,999 00
Rent.....	624 00
General Expenses.....	206 89

9,829 89

Inspection Branch

Salaries.....	487,701 03
Rent.....	14,178 72
Travelling Expenses.....	6,269 91
General Expenses.....	11,066 01
Printing and Stationery.....	5,081 85

524,297 52

Weighing Branch

Salaries.....	352,302 21
Rent.....	2,908 32
Travelling Expenses.....	16,771 04
General Expenses.....	3,861 24
Printing and Stationery.....	2,566 55

378,409 36

Statistical Branch

Salaries.....	51,615 99
Rent.....	4,944 00
Travelling Expenses.....	819 96
General Expenses.....	2,089 52
Printing and Stationery.....	4,319 72

63,789 19

976,325 96

(l) TORONTO—

<i>Revenue</i>	\$	cts.	\$	cts.	\$	cts.
Inspection Fees.....	4,167	10				
Overtime.....	48	75				
Splits—Cargo.....	4	40				
Samples Sold.....	90	50				
Sampling Fees.....	69	00				
			4,379	75		
						4,379 75

*Expenditure**Inspection Branch*

Salaries.....	6,704	70				
Rent.....	1,086	00				
Travelling Expenses.....	339	44				
General Expenses.....	548	90				
Printing and Stationery.....	53	38				
			8,732	42		
						8,732 42

(m) MONTREAL—

Revenue

Inspection Fees.....	2,697	34				
Overtime.....	535	45				
Splits—Cargo.....	681	30				
Samples Sold.....	339	26				
Sampling Fees.....	8,484	18				
			12,737	53		
Registration Fees.....	3,233	14				
Cancellation Fees.....	3,344	25				
			6,577	39		
						19,314 92

*Expenditure**Inspection Branch*

Salaries.....	54,769	63				
Rent.....	3,348	00				
Travelling Expenses.....	4,688	39				
General Expenses.....	1,462	19				
Printing and Stationery.....	361	56				
			64,629	77		

Weighing Branch

Salaries.....	3,268	00				
Rent.....	723	96				
Travelling Expenses.....	52	60				
General Expenses.....	219	52				
Printing and Stationery.....	189	37				
			4,453	45		

Registration

Salaries.....	7,991	59				
Rent.....	828	00				
General Expenses.....	635	14				
Printing and Stationery.....	228	07				
			9,682	80		
						78,766 02

(n) CHATHAM—

Revenue

Inspection Fees.....	14,739	33				
Overtime.....	188	00				
Samples Sold.....	496	43				
Sampling Fees.....	18,339	33				
			33,763	09		
						33,763 09

Expenditure

Salaries.....	23,662	31				
Rent.....	1,140	00				
Travelling Expenses.....	11,907	45				
General Expenses.....	1,203	33				
Printing and Stationery.....	294	72				
			38,207	81		
						38,207 81

SUMMARY OF OPERATION BY BRANCHES

REVENUE

	Inspection	Weighing	Appeal Boards	Registration	License and Bonding	Statistical	Accounting	Research Laboratory	Grain Standards	Administration	Total
	\$ cts.	\$ cts.	\$ cts.	\$ cts.	\$ cts.	\$ cts.	\$ cts.	\$ cts.	\$ cts.	\$ cts.	\$ cts.
Fees.....	1,140,439 85	592,389 99	2,976 00	32,574 12	29,329 00	.....	.....	.....	.....	.....	1,797,768 96
Overtime.....	14,255 85	14,625 35	.....	.....	.....	.....	.....	.....	.....	.....	28,881 20
Sampling.....	32,920 51	.....	.....	.....	.....	.....	.....	.....	.....	.....	32,920 51
Express Charges.....	2,755 98	.....	.....	.....	.....	.....	.....	.....	.....	.....	2,755 98
Cargo Spiffs.....	950 70	.....	.....	.....	.....	.....	.....	.....	.....	.....	950 70
Samples Sold.....	34,908 58	.....	.....	.....	.....	.....	.....	.....	.....	.....	34,908 58
Condition Reports.....	226 00	.....	.....	.....	.....	.....	.....	.....	.....	.....	226 00
Jury Fees.....	6 00	.....	.....	.....	.....	.....	.....	.....	.....	.....	6 00
Total.....	1,226,231 47	607,247 34	2,976 00	32,574 12	29,329 00	.....	.....	.....	.....	.....	1,898,357 93

EXPENDITURE

Salaries.....	1,271,396 65	601,990 03	15,388 00	33,646 60	16,862 65	51,615 99	11,577 63	92,846 09	.....	95,660 07	2,190,983 71
Rents.....	58,646 22	8,185 12	1,601 60	4,379 80	1,643 32	4,944 00	.....	13,572 00	.....	7,564 30	100,536 36
Travel.....	27,368 15	20,780 75	.....	.....	.....	819 96	.....	2,681 80	3,223 96	10,413 74	65,588 36
Expenses.....	44,004 40	6,516 14	2,776 96	1,418 52	550,10	2,089 52	350 94	17,566 02	2,260 00	4,725 58	82,258 18
Printing and Stationery.....	16,560 34	3,807 60	77 90	378 32	1,904 39	4,319 72	207 18	4,797 49	.....	2,596 01	34,648 95
Total.....	1,417,975 76	641,279 64	19,844 46	39,823 24	20,960 46	63,789 19	12,135 75	131,763 40	5,483 96	120,959 70	2,474,015 56

Total Revenue.....
Total Expenditure.....
Net Deficit.....

1,898,357 93
2,474,015 56
575,657 63

STATEMENT SHOWING REVENUE AND EXPENDITURE BY POINTS AND BRANCHES

REVENUE

		REVENUE						Grain Standards			Administration		Total
		Inspection	Weighing	Appeal Boards	Registration	License and Bonding	Statistical	Accounting	Research Laboratory	Grain Standards	Administration	cts.	
		\$ cts.	\$ cts.	\$ cts.	\$ cts.	\$ cts.	\$ cts.	\$ cts.	\$ cts.	\$ cts.	\$ cts.	\$ cts.	
Winnipeg.....		327,758 67	21,041 22	1,401 00	21,087 50	29,329 00						400,617 39	
Churchill.....		22,860 59	11,624 04									34,484 63	
Keewatin.....		4,834 50	5,677 98									10,512 48	
Saskatoon.....		20,222 16	10,500 89									30,723 05	
Moose Jaw.....		16,408 21	8,621 53									25,119 74	
Medicine Hat.....		9,540 19	9,610 40									19,150 59	
Lethbridge.....		514 47	113 34									627 81	
Calgary.....		61,290 93	18,024 48	1,029 00								80,344 41	
Edmonton.....		45,526 19	6,537 34	546 00								52,609 53	
Vancouver.....		136,911 37	109,804 57		4,909 23							251,625 17	
Fort William.....		529,393 82	405,691 55									935,085 37	
Toronto.....		4,379 75										4,379 75	
Montreal.....		12,737 53				6,577 39						19,314 92	
Chatham.....		33,763 09										33,763 09	
Total.....		1,226,231 47	607,247 34	2,976 00	32,574 12	29,329 00						1,898,357 93	

EXPENDITURE

Winnipeg.....	452,440 88	40,899 95	7,035 09	22,371 30	20,960 46	.....	12,135 75	131,763 40	5,483 96	85,170 19	778,260 98
Churchill.....	11,452 00	7,170 96	.....	.....	.....	.....	.....	.....	.....	.....	18,622 96
Keewatin.....	4,834 50	5,677 98	.....	.....	.....	.....	.....	.....	.....	.....	10,512 48
Saskatoon.....	27,162 81	18,269 71	.....	.....	.....	.....	.....	.....	.....	12,397 45	57,829 97
Moose Jaw.....	23,438 48	13,635 30	.....	.....	.....	.....	.....	.....	.....	.....	37,073 78
Medicine Hat.....	9,539 79	9,610 80	.....	.....	.....	.....	.....	.....	.....	.....	19,150 59
Lethbridge.....	5,723 49	3,192 20	.....	.....	.....	.....	.....	.....	.....	.....	8,915 69
Calgary.....	60,776 35	32,165 40	6,114 73	.....	.....	.....	.....	.....	.....	13,362 17	112,619 25
Edmonton.....	72,527 27	14,595 31	6,694 64	.....	.....	.....	.....	.....	.....	.....	93,817 22
Vancouver.....	114,212 07	113,199 22	.....	7,769 14	.....	.....	.....	.....	.....	.....	235,180 43
Fort William.....	524,297 52	378,409 36	.....	.....	63,789 19	.....	.....	.....	9,829 89	976,325 96	
Toronto.....	8,732 42	.....	.....	.....	.....	.....	.....	.....	.....	.....	8,732 42
Montreal.....	64,629,77	4,453 45	.....	9,682 80	.....	.....	.....	.....	.....	.....	78,766 02
Chatham.....	38,207 81	.....	.....	.....	.....	.....	.....	.....	.....	.....	38,207 81
Total.....	1,417,975 76	641,279 64	19,844 46	39,823 24	20,960 46	63,789 19	12,135 75	131,763 40	5,483 96	120,959 70	2,474,015 56

Total Revenue.....	1,898,357 93
Total Expenditure.....	2,474,015 56
Net Deficit.....	575,657 63

APPENDIX No. 12

BOARD OF GRAIN COMMISSIONERS FOR CANADA

Regulations in force December 31, 1951

Regulation No.	Subject
1	Registration and Cancellation of Terminal Elevator Warehouse Receipts.
2	Registration and Cancellation of Eastern Warehouse Receipts and Transfer Receipts.
3	Construction of Elevators.
4	Cleaning Grain and Bins, Terminal Elevators.
5	Off Grades for Western Grain.
6	Off Grades for Eastern Grain.
7	Grades of Screenings.
8	Inspection of Samples Taken other than at an Inspection Point.
9	Appeals from Inspection Officers to Grain Appeal Tribunals.
10	Delivery of Grain to Ocean Vessels at Montreal, Quebec.
11	Delivery of Grain to Ocean Vessels at West Saint John, N.B.
12	Delivery of Grain to Ocean Vessels at East Saint John, N.B.
13	Delivery of Grain to Ocean Vessels at Halifax, N.S.
14	Enforcement of Lien by Sale of Grain.
15	Drying of Grain.
16	Fees.
17	Records, Reports and Returns.
18	Procedure, Country Elevators.
19	Receipt for Grain Delivered to Private Country Elevators and Mill Elevators.
20	Maximum Tariff of Charges, Eastern Elevators.
21	Maximum Tariff of Charges and Shrinkage Allowance, Country Elevators.
22	Maximum Tariff of Charges, Terminal Elevators.
23	Applications for Licences and Terms and Conditions under which Licences are Issued.
24	Receipt for Storage in Transit for Reshipment out of Canada of Grain Grown outside Canada.

Date Due

80

JUL 12 RETURN			

ADA

Regulation
No.

1	Regis		e Receipts.
2	Regis		and Transfer Receipts.
3	Cons		
4	Clear		
5	Off C		
6	Off C		
7	Grad		
8	Inspe		t.
9	Appe		
10	Deliv		
11	Deliv		
12	Deliv		
13	Deliv		
14	Enfor		
15	Dryir		
16	Fees.		
17	Reco		
18	Proce		
19	Recei		Mill Elevators.
20	Maxi		
21	Maxi		ry Elevators.
22	Maximum Tariff of Charges, Terminal Elevators.		
23	Applications for Licences and Terms and Conditions under which Licences are Issued.		
24	Receipt for Storage in Transit for Reshipment out of Canada of Grain Grown outside Canada.		

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